Annual (Prop)

The Standard

PROPELLER LOG

ASA-SP-L

Annual (Prop)

Propeller Record General Information

Propeller Manufacturer _____

Model _____ **Type** _____

Hub Series # _____ **Blade #** _____

Date of Manufacture _____

Aircraft Installed On:

Make/Model	Serial #
C152 1979	15283736

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3225

Propeller Logbook Entry

N4978B September 24, 2020 HOBBS: 8068.6 TACH: 7043.2 TTAF: 17043.2 TTSN: 13781.2 TSMOH: 7309.2

Completed annual inspection this date IAW FAR 43 appendix D. Blades dressed and painted. AD's checked through 2020-18. Operational checks satisfactory.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Pertinent details of the work performed are on file at this agency under work order 8610.

James Furlong [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

Propeller Logbook Entry

4978B November 9th, 2020 HOBBS: 8202.8 TACH: 7143.0 TTAF: 17143.0 TTSN: 8428.0 TSMOH: 2893.0

Completed annual inspection this date IAW FAR 43 appendix D. Blades dressed and painted. AD's checked through 2020-22. Operational checks satisfactory.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Pertinent details of the work performed are on file at this agency under work order 8624.

James Furlong [redacted]

Next Inspection Due:	Time Since Overhaul	
		Mech. Cert. # or Repair Station #

Annual (Prop)

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI

N4978B Propeller
7-30-21 TACH: 7524.7 TTSN: 14262.7 TSMOH: 7790.7
Performed 100hr inspection IAW FAR 43 appendix D. Dressed and painted propeller. Performed operational check no discrepancies noted.

I certify that this Propeller has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8836
Signed [redacted] A&P No. [redacted]

Next Inspection	Time Since

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Prop
03-08-22 Tach 7806.7
Prop, spinner, and bulkheads inspected per annual inspection. Blades dressed. AD's check thru 2022-04. .
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8985.
Signed [redacted] A&P No. [redacted]

N49786

#1

A TOP RATED SHOP

POPLAR GROVE AIRMOTIVE INC

1-800-397-8181

poplargroveairmotive.com

The Standard

ENGINE LOG

ASA-SE-2

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
05-06-22 Tach 7906.1 3656.1 SMOH 9191.1 TT
Annual inspection completed on this date IAW FAR43 app D. Oil drained, filter remove and cut open, no defects noted. Installed CH48110-1 filter, torqued and safetied. Added 6 qts Phillips 20W50 X-C Victory oil. Plugs cleaned, gapped, tested, and inspected. Mag timing checked and adjusted. Ignition leads inspected, tested and cleaned. Compression, 1.76/80, 2.76/80,3.74/80, 4.78/80. Fuel primer nozzles inspected, cleaned and reinstalled and torqued. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2022-08. Removed and replaced throttle cable with P/N9863056-1. Adjusted, ops check good. Removed and replaced four lower spark plugs, REM37BY. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8014
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
03-08-22 Tach 7806.7 SMOH 3556.7 TT 9091.7
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter an added 6 qts Phillips 20W50 Victory oil. Plugs cleaned, gapped, tested, and inspected. Ignition leads inspected, tested and cleaned. Mag timing checked. Compression, 1.76/80, 2.70/80,3.76/80, 4.77/80. Fuel strainer and carb inlet screens inspected and cleaned. Fuel primer nozzles inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. AD 04-10-14C1, crankshaft gear bolt, due at prop strike, overhaul, or [illegible] ops and leak check good.

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

Engine Logbook Entry

N4978B March 20th, 2022 TACH: 7833.9 HOBBS: 9128.2

Remove and replaced alternator with overhauled unit p/n DOFF10300B s/n A2011105 IAW Cessna MM. Operational checks satisfactory.
With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.
James Furlong [redacted] [redacted]

Changed oil. Removed, cut open and inspected oil filter. [illegible]
Cleaned, gapped and tested lower spark plugs. Check and serviced battery. Checked all lights and pitot heat. [illegible]
With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.
James Furlong [redacted] [redacted]

Annual
100hr.

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
03-08-22 Tach 7806.7 SMOH 3556.7 TT 9091.7
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter an added 6 qts Phillips 20W50 Victory oil. Plugs cleaned, gapped, tested, and inspected. Ignition leads inspected, tested and cleaned. Mag timing checked. Compression, 1.76/80, 2.70/80,3.76/80, 4.77/80. Fuel strainer and carb inlet screens inspected and cleaned. Fuel primer nozzles inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2022-04. AD 04-10-14C1, crankshaft gear bolt, due at prop strike, overhaul, or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, due next at 6160.9 hr tach. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8985
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

Engine Logbook Entry

N4978B March 31st, 2022 TACH: 7856.7 HOBBS: 9158.2

Changed oil. Removed, cut open and inspected oil filter. Check satisfactory. Installed new oil filter p/n CH48110-1. Added 6 qts. 20W50 Victory oil. Cleaned, gapped and tested lower spark plugs. Check and serviced battery. Checked all lights and pitot heat. Checked brakes and serviced tires. With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.
James Furlong [redacted] AP

Annual
100 hr.

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

Engine Logbook Entry

N4978B May 14, 2021 TACH: 7382.8 HOBBS: 8524.0

Changed oil, removed filter, cut open and inspected. Check satisfactory. Installed new CH48110-1 oil filter and added 6 quarts 20W50 Victory oil. Cleaned, gapped, tested and inspected lower plugs. Checked and serviced battery. Checked lights, tires and brakes. Operational checks satisfactory. With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8768.

James Furlong [redacted]

SCA SPRING CITY AVIATION

Timmerman Field
Milwaukee, WI

Phone: 414-461-3222
Fax: 414-461-8207

N4978B Engine
6-14-21 TACH: 7427.4 TSMOH: 3177.4
Performed 100hr inspection IAW FAR 43 appendix D. Checked cylinder compressions C1: 72 C2: 72 C3: 75 C4: 77. Changed oil and filter. Added 6 quarts 20W-50 Phillips victory. Removed, cut and inspected no discrepancies noted. Installed new oil filter P/N CH48110-1. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magnetos and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles and gasculator. Inspected exhaust. Lubed all engine controls and checked for proper travel. Inspected, dressed and painted propeller. Performed operational/leak check no discrepancies noted.

Discrepancies Addressed:

- Replaced starter and ring gear with overhauled starter (P/N: MMU4001R) and new ring gear (P/N: 60882).
- Replaced all cylinder drain hoses with new hoses (P/N: STD-2180).

I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8768

Signed [redacted] A&P No. [redacted]

SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

TIMMERMAN FIELD
MILWAUKEE, WI

SCA

LIMITED MAINTENANCE RELEASE

UNIT NAME	MFG. NAME
SUMP	LYO
MODEL or P/N	SERIAL NO.
O-235	—

The repairs to the aircraft component identified above were accomplished in accordance with current regulations of the FAA. The work was inspected and found airworthy for return to service. Only the labor operations detailed below and on our Work Order are covered by this release.

SWEDGED #2 INTAKE PIPE + CHECK THE OTHER 3 END

OWNER: SPRING CITY

WORK ORDER NO. 1025-30 DATE: 8 APR 21

[redacted]

POPLAR GROVE AIRMOTIVE, INC.

11619 U. S. ROUTE 76
POPLAR GROVE, IL 61065

FAA Approv[illegible]ion #YYBR664L

Engine
N4978B
3-12-21

ed new oil filter
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CH48110-
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A77611).
ce with 100 HR inspection and was determined to be in
n file at this agency under work order no. 8742
A&P No. [redacted]

SCA SPRING CITY AVIATION

Timmerman Field
Milwaukee, WI

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
3-12-21 Engine
Tach: 7291.4

Changed oil and filter. Added 6 quarts 20w-50 Phillips Victory. Removed, cut and inspected oil filter. Installed new oil filter (P/N: CH48110-1). Cleaned, inspected, gapped and tested lower spark plugs. Performed operational/leak check of engine no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no 8720.

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

Timmerman Field
Milwaukee, WI

Phone: 414-461-3222
Fax: 414-461-8207

N4978B Engine
4-15-21 TACH: 7335.8 TSMOH: 3085.8

Performed 100hr inspection IAW FAR 43 appendix D. Checked cylinder compressions C1: 70 C2: 72 C3: 74 C4: 76. Changed oil and filter. Added 6 quarts 20W-50 Phillips victory. Removed, cut and inspected no discrepancies noted. Installed new oil filter P/N CH48110-1. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magnetos and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles and gasculator. Inspected exhaust. Lubed all engine controls and checked for proper travel. Inspected, dressed and painted propeller. Performed operational/leak check no discrepancies noted.

Discrepancies Addressed:

- Repaired crack in baffle near cyl#2.
- Re-swedged Intake tube #2.
- Replaced all intake gaskets and boots with new gaskets (P/N: 71973) and boots (P/N: STD-1196).
- Replaced all exhaust gaskets with new gaskets (P/N: RA77611).

I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8742

Signed [redacted] A&P No. [redacted]

YEA
20_
DAT

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

N4978B Engine
1-29-21 TACH: 7237.5 TSMOH: 2987 N.S
Performed 100hr inspection IAW FAR 43 appendix D. Checked cylinder compressions C1: 74 C2: 72 C3: 68 C4: 76. Changed oil and filter. Added 6 quarts 20W-50 Phillips victory. Removed, cut and inspected no discrepancies noted. Installed new oil filter P/N CH48110-1. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magnetos and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles and gasculator. Inspected exhaust. Lubed all engine controls and checked for proper travel. Inspected, dressed and painted propeller. Performed operational/leak check no discrepancies noted.

Discrepancies Addressed:

- Installed new valve cover gasket on cyl#3.
- Replace R/H lower engine mount with new (P/N: J7402-1).

I certify that this aircraft or engine has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8684
Signed [redacted] A&P No. [redacted]

SCA Spring City Aviation
Timmerman Field
Milwaukee, WI
Phone: 414-461-3222
Fax: 414-461-8207

N4978B
1/30/21 Engine
Tach: 7239.3
Complied with AD84-26-02 eff. 01/29/85 by installing a new paper element air filter (P/N: P107150). AD is next due at Tach: 7739.3.With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no 8684
Signed [redacted] A&P No. [redacted]

Engine Logbook Entry

4978B November 9th, 2020 HOBBS: 8202.8 TACH: 7143.0 TTAF: 17143.0 TTSN: 8428.0 TSMOH: 2893.0

Completed annual inspection this date IAW FAR 43 appendix D. Checked cylinder compressions #1: 74 #2: 69 #3: 78 #4: 75. Changed oil and filter. Added 6 quarts of 20W50 VICTORY. Removed and cut open oil filter. Check satisfactory. Installed new CH48110-1 filter. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magneto and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles and gasculator. Inspected exhaust and hardware. Checked and lubed engine controls. Inspected, dressed and painted propeller. AD's checked through 2020-22. AD04-10-14C1 dated 06-25-04, due at prop strike. AD84-26-02 dated 01-29-85, air filter, NEXT DUE: 7244.7 TACH. Performed operational and leak checks. Check satisfactory.

Discrepancies addressed:

-Remove and replace 3 spark plugs with new. Operational and leak checks satisfactory.

I certify that this aircraft or engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Pertinent details of the work performed are on file at this agency under work order 8624.

James Furlong [redacted] [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
12-11-20 Engine
Tach: 7192.3

Changed oil and filter. Added 6 quarts 15w-50 Phillips X/C. Removed cut and inspected oil filter. Installed new oil filter P/N: CH48110-1. Cleaned gapped and tested lower spark plugs. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7292.3. Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7292.3. Performed engine operational/leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8665

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3225

Engine Logbook Entry

N4978B September 24, 2020 HOBBS: 8068.6 TACH: 7043.2 TTAF: 17043.2 TTSN: 8328.2 TSMOH: 2793.2

Completed annual inspection this date IAW FAR 43 appendix D. Checked cylinder compressions #1: 74 #2: 68 #3: 74 #4: 78. Changed oil and filter. Added 6 quarts of 20W50 Victory. Removed and cut open oil filter. Check satisfactory. Installed new CH48110-1 filter. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magneto and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles. Fuel strainer and carb inlet screens inspected and cleaned. Inspected exhaust and hardware. Checked and lubed engine controls. Inspected, dressed and painted propeller. AD's checked through 2020-18. AD04-10-14C1, crankshaft bolt, due at prop strike. AD84-26-02 dated 01/29/85, air filter, NEXT DUE 7244.7 TACH. Performed operational and leak checks. Check satisfactory.

Discrepancies addressed:

-Remove and replace carb heat cable with new. Operational check satisfactory.

I certify that this aircraft or engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Pertinent details of the work performed are on file at this agency under work order 8610.

James Furlong [redacted] AP[redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation EAST, LLC Timmerman Field Milwaukee, WI 414-461-3222

Engine Logbook Entry

N4978B October 15, 2020 Tach: 7089.4

Changed oil and filter, p/n CH48110-1 and filled with 6 quarts of Aeroshell 15w50. Cut open and inspected the oil filter. No discrepancies noted. Cleaned gapped, and tested lower spark plugs. Remove and replace #3 cylinder lower plug with new p/n REM37BY With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8624.

James Furlong [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
08-19-20 Tach 6945.3 2695.3 SMOH 8230.3 TT
Annual inspection completed on this date IAW FAR43 app D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6 qts Aero Shell 15W50. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.75/80, 2.72/80,3.75/80, 4.76/80. Fuel primer nozzles inspected, cleaned and reinstalled and torqued. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2020-16. AD 04-10-14c1, crankshaft bolt, due at prop strike, overhaul or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, due at 7045.0 hrs tach. Removed and replaced #4 valve cover gasket. Removed and replaced intake tube gasket for cylinder #2. Adjusted left mag timing. Removed and replaced one primer nozzle, AN4022-1. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8589
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
9-3-20 Engine
Tach: 6996
Changed oil and filter. Added 6 quarts 15w-50 Phillips. Removed cut and inspected oil filter. Installed new oil filter P/N: CH48110-1. Cleaned gapped and tested lower spark plugs. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7096. Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7096. Performed engine operational/leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. RG10
Signed [redacted] A&P No. [redacted]

YEAR
20__
DATE

SCA
SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
07-30-20 Tach 6900.5

50 hr oil change, oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6 qts Aero Shell 15W50. Engine run up, ops and leak check good. See Spring City Aviation checklist.

Discrepancies addressed

1. Removed lower spark plugs, clean, gap, inspect and test. Reinstall with new gaskets and torqued.
2. Cleaned induction air filter.
3. Checked lights, stall horn and pitot heat.
4. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection. No defects noted. Due next at 7000.5 hrs tach.
5. AD 11-10-09 dated 06-24-90, seat rails, C/W by inspection and measurement. No defects noted. Due next at 7000.5 hrs tach.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no._____.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Engine
7-9-20 TACH: 6844 TSMOH:
Performed 100hr inspection IAW FAR 43 appendix D. Checked cylinder compressions C1: 75 C2: 72 C3: 72 C4: 77. Changed oil and filter. Added 6 quarts 15W-50 Aeroshell. Removed, cut and inspected no discrepancies noted. Installed new oil filter P/N CH48110-1. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magnetos and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles and gasculator. Inspected exhaust. Lubed all engine controls and checked for proper travel. Inspected, dressed and painted propeller. Performed operational/leak check no discrepancies noted.

Discrepancies Addressed:

- Installed new carb throttle shaft and bushings.
- Removed and replaced starter ring gear with new.
- Installed new oil fill tube gasket.
- Installed new intake gasket on cyl #2.
- Installed new valve cover gaskets on cyl# 1,2.
- Adjusted magneto timing to 20 degrees.

I certify that this aircraft or engine has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8553
Signed [redacted] A&P No. [redacted]

YEAR 20___ DATE	REC TAC TIM

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

4978B Engine
6-3-20 TACH: 6744.7 TSMOH: 2494.7
Performed 100hr inspection IAW FAR 43 appendix D. Checked cylinder compressions C1: 74 C2: 70 C3: 74 C4: 78. Changed oil and filter. Added 6 quarts 15W-50 Aeroshell. Removed, cut and inspected no discrepancies noted. Installed new oil filter P/N CH48110-1. Inspected engine, engine mounts and all accessories. Checked magneto timing. Inspected magnetos and ignition leads. Cleaned, gapped, tested and inspected spark plugs. Cleaned and inspected fuel primer nozzles and gasculator. Inspected exhaust. Lubed all engine controls and checked for proper travel. Inspected dressed and painted propeller. Performed operational/leak check no discrepancies noted.

Discrepancies Addressed:

- Replaced alternator belt P/N: S1597-1-37.5
- Replaced 4 spark plugs P/N: REM37BY
- Complied with AD 84-26-02 eff. 01-29-85 by replacing air filter with new P/N: P10-7150 next due Tach: 7244.7

I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8513
Signed [redacted] A&P No. [redacted]

SCA Spring City Aviation

Timmerman Field
Milwaukee, WI

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
6-23-20 Tach: 6809.5
Changed oil and filter. Added 6 quarts 15w-50 aeroshell. Removed cut and inspected oil filter aluminum and carbon found in filter. Installed new filter P/N: CH48110-1. Cleaned inspected gapped and tested lower spark plugs. AD 80-11-04 effective 06-02-80 complied with by visually inspecting tail nut plates AD next due tach: 6909.5. AD 11-10-09 eff 06-17-11 complied with by visual/measurement inspection on seat rails and engagement pins. AD next due Tach: 6909.5. performed operational/leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8534.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Engine
3-6-2020 Tach: 6637.0
Performed 100hr inspection IAW FAR 43 appendix D. Checked cylinder compressions C1: 76 C2: 76 C3:72 C4: 76. Changed oil and filter. Removed, cut and inspected oil filter no discrepancies noted. Installed new oil filter P/N CH48110-1. Added 6 quarts 15W-50 Aeroshell. Checked magneto timing. Inspected magnetos and ignition leads. Inspected engine and accessories. Inspected and lubed all engine controls Inspected dressed and painted propeller. Cleaned, gapped, tested and inspected spark plugs. Replaced Cylinder 3&4 valve cover gaskets. Performed operational/leak check no discrepancies noted.
I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no._____
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
5-7-2020 Tach: 6686.7
Changed oil and filter. added 6 quarts 15w-50 Aeroshell. removed cut and inspected oil filter no discrepancies noted. installed new oil filter P/N: CH48110-1. Complied with AD 80-11-04 effective 06-02-80 by visually inspecting tail nut plates AD next due Tach: 6786.7. Complied with AD 11-10-09 effective 06-17-11 by inspecting/measurement of seat tracks and engagement pins AD next due Tach: 6786.7. Removed and replaced L/H tire with new P/N: 072-314-0. Cleaned greased and inspected L/H main bearings and races. Replaced 7 smoking rivets on horizontal stabilizer P/N: CR3243-4-2. Performed operational/Leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

FAX: 414-461-8207

N4978B engine
01-16-20 Tach 6535.0 2285.0 SMOH 7820.0 TT.
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained, filter removed and cut open. Found aluminum in filter. Installed CH48110-1 filter and added 6qts Aero Shell 15W50 oil. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.68/80, 2.74/80,3.76/80, 4.76/80. Fuel primer nozzles inspected and cleaned. Fuel strainer and carb inlet screen inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Prop blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2019-26. AD 04-10-14C1 dated 06-25-04, crankshaft gear bolt, due at overhaul, prop strike, or sudden stop. AD 84-26-02 dated 01-29-85, paper air filter due at 6725.0 hrs tach. Left mag removed and replaced points and cleaned dust from mag. Checked coils, and condenser. Mag reinstalled with new gasket and timed to engine. Ops check good. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8409
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, LLC Timmerman Field Milwaukee, WI(414) 461-3222

ENGINE Logbook Entry

N4978B February 17th, 2020 HOBBS: 6607.0 TACH: 7507.6 TTAF: 17507.6

Changed oil and filter p/n CH48110-1. Added 6 quarts Aeroshell 15W50 oil. Cut open and inspected oil filter. Check satisfactory. Cleaned, gapped, tested and inspected lower spark plugs. Inspected and serviced battery.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8433.

James Furlong [redacted] [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, LLC Timmerman Field Milwaukee, WI(414) 461-3222

ENGINE Logbook Entry

N4978B December 4th, 2019 HOBBS: 7307.0 TACH: 6450.6 TTAF: 16450.6 SMOH: 1217.6

Completed 100 hour inspection on this date IAW FAR 43 appendix D. Oil drained, filter removed and cut open. Check satisfactory. Installed CH48110-1 oil filter and added 6 quarts Aeroshell 15W50. Plugs cleaned, gapped, tested and inspected. Magneto timing checked. Ignition leads inspected, tested and cleaned. Compressions as follows #1: 76/80 #2 74/80 #3 72/80 #4 76/80. Fuel primer nozzles inspected, cleaned, reinstalled and torqued. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing lines inspected. Engine accessories and mounts inspected. Prop, spinner and bulkheads inspected. Propeller blades dressed and painted. Engine controls checked and lubed. AD's checked through 2019-12. AD 04-10-14C1, crankshaft bolt, NEXT DUE: At prop strike, overhaul or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, NEXT DUE: 6725 TACH. Engine run up, leak and operational checks satisfactory.

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Pertinent details of the work performed are on file at this agency under work order 8370.

James Furlong [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
12-23-19 Tach: 6500

Changed oil and filter. added 6 quarts of 15w-50 Aeroshell. removed cut and inspected oil filter no discrepancies noted. replaced oil filter with CH48110-1. Cleaned gapped inspected and tested lower spark plugs. Checked/serviced battery. Changed coil and points on R/H magneto. Performed operational/leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8389.

Signed [redacted] A&P No. [redacted]

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
10-24-19 Tach:6352 TTAF:16352 SMOH:1119
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected doors and windows. Inspected control surfaces, cables, and pulleys. Inspected landing gear, wheels, tires, and brakes. Checked lights and heats. Removed and replaced RH nav lamp with new, ops check good. Inspected interior, seats, and instrument pane. Inspected ELT IAW FAR91.207, ops check good, battery next due 2/21. Removed and replaced vac regulator filter and instrument air filter with new. CW AD11-10-19 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 6452. CW AD80-11-04 dated 6-2-80 by visual inspection of tail nut plates, no defects noted, next due 6452. Performed run-up and leak check.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8336
Signed [redacted] A&P No. [redacted]

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
11-12-19 Tach 6406
Changed oil with 6 quarts 15w-50. removed cut and inspected oil filter no discrepancies noted. Performed operational/Leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. _____.
Signed [redacted] A&P No. [redacted]

YEAR
20
DATE

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
9-19-19 Tach:6254 TTAF:16254 SMOH:1021
Completed annual inspection this date. Checked compressions 74-74-73-78. Changed oil and filter, added 6qts 15W-50 oil. Cut open filter and inspected. Checked mags leads, and timing. Cleaned, gapped, tested, and inspected spark plugs. Cleaned and inspected fuel strainer. Lubed and checked engine controls. Inspected prop, hub, and spinner for condition. Dressed and painted prop as needed. Checked and serviced battery. Inspected engine and accessories for condition. Repaired cabin heat airbox as needed attached duct. Removed and replaced #1+#3 rocker cover gaskets with new, leak check good. Performed run-up and leak checks.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8298
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
10-11-19 Tach 6314
Changed oil with 5qts 15w-50. removed, cut and inspected oil filter. replaced oil filter with CH48110-1. Cleaned, inspected,gapped and checked lower set of spark plugs. performed operational check and run up. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. _____.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
7-26-19 Tach:6151 TTAF:16151 SMOH:918
Completed annual inspection this date. Checked compressions 68-76-74-76. Changed oil and filter, added 6qts 15W-50 oil. Cut open filter and inspected. Checked mags leads, and timing. Cleaned, gapped, tested, and inspected spark plugs. Cleaned and inspected fuel strainer. Removed and replaced fuel strainer plunger with new, ops and leak check good. Lubed and checked engine controls. Removed and replaced carb throttle plate bushings and shaft with new, ops and leak checked good, adjusted mixture as needed. Removed and replaced #2 cylinder with ovh unit (see yellow tag from Poplar Grove Airmotive for details), leak check good. Removed and replaced #2 and #3 cyl exhaust risers with new. Inspected prop, hub, and spinner for condition. Dressed and painted prop as needed. Checked and serviced battery. Inspected engine and accessories for condition. Removed and replaced #2 rocker cover gasket with new, leak check good. Performed run-up and leak checks.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8259
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
08-27-19 Tach 6225.3
Drained engine oil, added 6qts Aeroshell 15W50 engine oil. Cut open and inspected oil filter, no defects noted. Installed, torqued and safetied new CH48110-1 oil filter. Cleaned, gapped, inspected and tested lower spark plugs. Inspected and serviced battery. Installed new air filter PN P107150. Replaced #1 cylinder lower spark plug PN REM37BY. Checked tires, lights and brakes. Ground run up and leak checked good. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8273.
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
05-23-19 Tach 6051.9 1801.9 SMOH 7336.9 TT
Annual inspection completed on this date IAW FAR43 app D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6 qts Aero Shell 15W50. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.70/80, 2.77/80,3.74/80, 4.78/80. Fuel primer nozzles inspected, cleaned and reinstalled and torqued. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2019-10. AD 04-10-14c1, crankshaft bolt, due at prop strike, overhaul or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, due at 6160.0 hrs tach. Removed and replaced #2 & 4 valve cover gaskets. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8184
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
6-26-19 Tach:6103
Changed oil and filter, added 6qts Aeroshell 15W-50 oil. Cut open and inspected filter. Cleaned, gapped, tested, and inspected lower spark plugs. Inspected and serviced battery.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8206.
Signed [redacted] A&P No. [redacted]

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 2525 Aviation Drive Waukesha, WI 53188 (262) 547-8988

Propeller Logbook Entry

N4978B February 1, 2019 Hobbs: 6,657.2 Tach: 5,951.6 TTAF: 15,951.6 TTP 12,689.6 TSPOH: 6,217.6

A 100 hr inspection was performed on this propeller IAW FAR43 Appendix D. The following was accomplished: removed spinner, inspected propeller hub and mounting bolts, no discrepancies noted. Inspected and reinstalled spinner. Checked Ad's through 02-01-2019. Update AD list.
Ground run-up performed and found satisfactory for return to service. All work performed IAW Cessna service manual and FAR43 Appendix D. I certif this propeller has been inspected IAW a 100 hr inspection and was determined to be in an airworthy condition.
Isaac Lorenson AP3779299 [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
04-01-19 Tach 6006.2
Changed oil. Removed oil filter cut open and inspected, no defects noted. Installed CH48110-1 oil filter. Added 5Qts Aeroshell 15W50. Cleaned, gapped and inspected lower spark plugs. Installed new Nose tire, condor 5.00-5 P/N 072-312-0 S/N 7227S00126. Run up and leak check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8040. [redacted]
Signed [redacted] A&P No. Pending

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
10-16-18 Tach 5855.1 160[illegible].5 SMOH 7129.5 TT
Annual inspection completed on this date IAW FAR43 app D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6 qts Aero Shell 15W50. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.78/80, 2.77/80,3.76/80, 4.78/80. Fuel primer nozzles inspected, cleaned and reinstalled and torqued. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2018-18. AD 04-10-14c1, crankshaft bolt, due at prop strike, overhaul or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, due at 6160.0 hrs tach Removed and replaced all four valve cover gaskets. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8016
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 2525 Aviation Drive Waukesha, WI 53188 (262) 547-8988

Engine Logbook Entry

N4978B February 1, 2019 Hobbs: 6,657.2 Tach: 5,951.6 TTAF: 15,951.6 TTE:6,972.6 TSMOH: 1,437.6

A 100 hr inspection was performed on this Lycoming O-235 engine, IAW FAR43 Appendix D. The following was accomplished: Performed compression checks on cold cylinders with the following results: #1 76/80 #2 79/80 #3 74/80 #4 78/80. Oil drained, oil filter removed, cut open, and inspected, no discrepancies found, new oil filter (P/N CH48110-1) installed. Serviced w/ 5 qts Aeroshell 15W50 aviation oil. Removed, cleaned, gapped, inspected and rotated all spark plugs. Checked and tightened all engine hardware as appropriate. Opened exhaust sleeve and inspected muffler and exhaust for cracks. Checked magneto to engine timing. Checked Ad's through 02-01-2019. Update AD List. Ground run-up, operational, and leak checks performed and found satisfactory for return to service. All work performed IAW Cessna service manual, Lycoming operator's manual, and FAR43 Appendix D. I certify this Engine has been inspected IAW a 100 hr inspection and was determined to be in an airworthy condition.
Isaac Lorenson A[redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 2525 Aviation Drive Waukesha, WI 53188 (262) 547-8988

Engine Logbook Entry

N4978B August 10, 2018 Hobbs: 6398.3 Tach: 5758.0 TT: 7026.4 SMOH: 1491.8

100 Hour inspection completed this date IAW FAR 43 appendix D. Checked and tightened all hose clamps. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 oil filter and added 6 qts Aeroshell 15W50. Plugs cleaned, gapped, tested and inspected. Ignition leads inspected, cleaned and tested. Magneto timing checked satisfactory. Compressions checked: 1-72/80 2-77/80 3-74/80 4-78/80. Fuel strainer and carb inlet screens inspected and cleaned. Fuel primer nozzles inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected. Electrical and plumbing inspected. Engine accessories and mounts inspected. Prop, spinner and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's check through 08/2018.

AD 04-10-14C1: crankshaft gear bolt due at prop strike or sudden stop.

AD 84-26-02: Air filter **Next Due: 6160.0**

Operational check performed satisfactory for return to service. I certify that this engine has been inspected IAW a 100 Hour inspection and was determined to be in airworthy condition.

James Furlong [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 707 Airport Rd. Burlington, WI 53105 262-342-5003

Engine Logbook Entry

N4978B September 10, 2018 Hobbs: 6474.7 Tach: 5816.0

Changed oil. Removed, cut open and inspected oil filter. No defects found. Installed new CH48110-1 oil filter. Added 6Qts of Aeroshell 15W50. Removed, cleaned, inspected and gapped all spark plugs. Operational and leak checks performed and found satisfactory for return to service.

Gregory Joslyn A [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 707 Airport Rd. Burlington, WI 53105 262-342-5003

Engine Logbook Entry

N4978B September 23, 2018 Tach: 5840.1 Hobbs: 6505.4

Removed, cleaned and re-installed #1 cylinder bottom spark plug. Operational checks performed and found satisfactory for return to service.

Paul Aydt A [redacted]

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
05-24-18 Tach 5676.3
Removed and replaced oil temp sending unit P/N 3080-0037. Run up and ops check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7879 .
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
07-04-18 Tach:5713.4
Changed oil, Removed cut open and inspected oil filter, no defects noted. Removed gaped and inspected spark plugs. Added 6 Qts Aeroshell 15W50. Changed R/H main wheel brake pad linings P/N 066-30026. Installed new CH48110-1 oil filter. Run up and leak check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7879
Signed [redacted] A&P No. [redacted]

YEAR 20___ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

N4978B
03-25-18 Tach 5607.9
Drained oil, added 5qts 15/50 Aero shell. cut ope
and gaped spark plugs. serviced battery. Serviced
magneto. Reinstalled run up and ops check all go
With respect to the work performed on this aircra
current Federal Aviation Regulations and found t
agency under work order no. 7812.
Signed [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

N4978B engine
05-11-18 Tach 5660.9 SMOH 1394.7
Annual inspection completed on this date IAW FAR
CH48110-1 filter an added 6 qts Aero Shell 15W50.
Ignition leads inspected, tested and cleaned. Mag tim
inlet screens inspected and cleaned. Fuel primer noz
inspected. Filter replaced at this time, P107150, due
mount inspected. Prop, spinner, and bulkheads inspe
thru 2018-08. AD 04-10-14C1, crankshaft gear bolt,
air filter, C/W by replacement, due next at 6160.9 hr t
I certify that this aircraft or engine has been inspected
airworthy condition. Pertinent details of the work perf
Signed

1. Approving Civil Aviation Authority/Country: FAA/United States	2. **AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 5753119
4. Oranization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215		5. Work Order/Contract/Invoice Number: 2795781

6.Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
80	FILTER AIR	P10-7150	1	N/A	New

12. Remarks: **AUTHORIZED RELEASE DOCUMENT**

PO#: 17 820

13a. Certifies the items identifed above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 1
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to the work, the items are approved for return to service.

13b. Authorized Signature: [redacted]	13c. Approval/Authorization No.: PC4	14b. Authorized Signature	14c. Approval/Certificate No.
13d. Name (Typed or Printed): DAN J. EHMKE	13e. Date (dd/mmm/yyyy): 16/Aug/2017	14d. Name (Typed or Printed)	14e. Date (dd/mmm/yyyy)

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

NSN: 0052-00-012-

FAA Form 8130-3 (02-14)

YEAR 20___ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
03-25-18 Tach 5607.9
Drained oil, added 5qts 15/50 Aero shell. cut open and inspected oil filter no defects noted. Replaced oil filter with CH48110-1. Inspected and gaped spark plugs. serviced battery. Serviced tires, checked brakes. Run up and leak check all good. Removed and repaired left magneto. Reinstalled run up and ops check all good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7812
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
05-11-18 Tach 5660.9 SMOH 1394.7 TT 6929.3
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter an added 6 qts Aero Shell 15W50. Plugs cleaned, gapped, tested, and inspected. Replaced all eight plugs, REM 37BY. Ignition leads inspected, tested and cleaned. Mag timing checked. Compression, 1.75/80, 2.78/80,3.76/80, 4.78/80. Fuel strainer and carb inlet screens inspected and cleaned. Fuel primer nozzles inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected. Filter replaced at this time, P107150, due next at 6160.9 hrs tach. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed and painted. Engine controls checked and lubed. AD's checked thru 2018-08. AD 04-10-14C1, crankshaft gear bolt, due at prop strike, overhaul, or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, C/W by replacement, due next at 6160.9 hr tach. Replaced cylinder #2 primer line nut. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7864
Signed [redacted] A&P No. [redacted]

4978B
11-18
5660.9

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

.N4978B
12-.14-17 Tach .5516.4
Ground run up and removed cowls. Drained engine oil , removed and cut open old oil filter, no debris found. Installed new . CH48110-1 oil filter, torqued and saftied. Added 6qts.15W50 engine oil. Checked tires, lights and brakes. Reinstalled cowls, ground run up, leak checked, good ops. AD 80-11-04 eff.06/02/80 Inspected nut plates and no defects noted next due 5615. AD 11-17-11 eff.06/17/11 inspected and measured seat tracks and determined seat track are within limits, next due 5616
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. .7735
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
02-15-18 Tach 5560.6 1310 SMOH 6835 TT
Annual inspection completed on this date IAW FAR43 app D. Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6 qts Aero Shell 15W50. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.78/80, 2.78/80,3.76/80, 4.78/80. Fuel primer nozzles inspected, cleaned and reinstalled and torqued. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Blades dressed, painted. Engine controls checked and lubed. AD's checked thru 2018-02. AD 04-10-14c1, crankshaft bolt, due at prop strike, overhaul or sudden stop. AD 84-26-02 dated 01-29-85, induction air filter, due at 5825 hrs tach Engine run up, ops and leak check good. I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7746
Signed [redacted] A&P No. [redacted]

SCA
SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

ions
er of
ries.)

d cut open. No defects noted. Installed CH48110-1 filter and added 6qts
e. Removed cowl, drained oil, removed filter and c
inspected. Reinstalled with new gaskets, torqu
750. Lower plugs removed, cleaned, tested and insp
n and pitot heat checked. Battery checked and servic
cked and serviced. Battery checked and servic
rviced. AD's checked thru 2017-
ction, no defects noted. AD 11-10-09 dated 0
04 dated 06-02-80, tail nut plates, C/W by inspectio
-16-11 dated 08-15-17, connecting rods, N/A
good.
identified above, it has been inspected and/
reinspection and measurement, no defects noted. AD 17-16-11 dated 08-15-17, seat tracks and pins,
the repair are on file at this
Aviation Administration regulations, AD's checked thru 2017-
work
ch 4322.9
N4978B
09-18-17 Tach 4
50 hr oil change. I
Aero Shell 15W50
Lights, stall horn a
18. AD 80-11-04
C/W by inspection
SB632B. Cowl rei
With respect to the
current Federal Av
agency under work
Signed

N4978B eng
11-02-17 T
Annual inspe
Installed CH
Ignition lead
Fuel straine
Electrical a
Engine cor
SB 632B.
cylinder.
Poplar Gr
Overhaul manua
I certify that this
airworthy condi
Signed

49783

STD NIT

SERVICEABLE
(COMPONENTS)

2 CYL — COMPONENT NAME

LYC — MFG. NAME

O235L2C — MODEL or TYPE

PGA6567-1-2 — SERIAL NO.

☒ REPAIRED ☐ ~~O'HAULED~~ ☒ TESTED ☒ INSPECTED

The aircraft component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under:

OWNER: Gran - Aire Inc

WORK ORDER # [redacted] 6567

DATE 10-23-14

SIGNED FOR: [redacted]

POPLAR GROVE AIRMOTIVE, INC.
11619 U. S. ROUTE 76
POPLAR GROVE, IL 61065
FAA Approved Repair Station #YYBR664L

A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
09-18-17 Tach 4322.9
50 hr oil change. Removed cowl, drained oil, removed filter and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Aero Shell 15W50. Lower plugs removed, cleaned, tested and inspected. Reinstalled with new gaskets, torqued, and leads hooked up. Lights, stall horn and pitot heat checked. Tires and brakes checked and serviced. Battery checked and serviced. AD's checked thru 2017-18. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. AD 11-10-09 dated 06-17-11, seat tracks and pins, C/W by inspection and measurement, no defects noted. AD 17-16-11 dated 08-15-17, connecting rods, N/A by S/N and dates per SB632B. Cowl reinstalled, engine run up, ops and leak check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7655.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

FAX: 414-461-8207

N4978B engine
11-02-17 Tach 5465.7 1245.7 SMOH 6780.7 TT.
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained, filter removed and cut open. Found aluminum in filter. Installed CH48110-1 filter and added 6qts Phillips 20W50 mineral oil. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.78/80, 2.76/80,3.75/80, 4.74/80. Fuel primer nozzles inspected and cleaned. Fuel strainer and carb inlet screen inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Prop blades dressed. Engine controls checked and lubed. AD's checked thru 2017-20. AD 17-16-11 dated 08-15-17, connecting rods, N/A by S/N or dates per SB 632B. AD 04-10-14C1 dated 06-25-04, crankshaft gear bolt, due at overhaul, prop strike, or sudden stop. Repaired baffle by #2 cylinder. Removed and replaced #1 & #2 cylinders due to aluminum in oil filter. Cylinders replaced with serviceable units repaired by Poplar Grove Airmotive Inc. see release tag. Cylinders installed with new seals and gaskets. All work completed IAW Lycoming Overhaul manual. Exhaust and intake reinstalled. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7672

Signed [redacted] A&P No. [redacted]

Installed new guides, ground seats and valves, honed bore. Fit and

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
09-18-17 Tach 4322.9
50 hr oil change. Removed cowl, drained oil, removed filter and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Aero Shell 15W50. Lower plugs removed, cleaned, tested and inspected. Reinstalled with new gaskets, torqued, and leads hooked up. Lights, stall horn and pitot heat checked. Tires and brakes checked and serviced. Battery checked and serviced. AD's checked thru 2017-18. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. AD 11-10-09 dated 06-17-11, seat tracks and pins, C/W by inspection and measurement, no defects noted. AD 17-16-11 dated 08-15-17, connecting rods, N/A by S/N and dates per SB632B. Cowl reinstalled, engine run up, ops and leak check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7655.
Signed [redacted] A&P No. [redacted]

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Fax: 414-461-8207

N4978B engine
11-02-17 Tach 5465.7 1245.7 SMOH 6780.7 TT.
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained, filter removed and cut open. Found aluminum in filter. Installed CH48110-1 filter and added 6qts Phillips 20W50 mineral oil. Plugs cleaned, gapped, tested, and inspected. Mag timing checked. Ignition leads inspected, tested and cleaned. Compression, 1.78/80, 2.76/80,3.75/80, 4.74/80. Fuel primer nozzles inspected and cleaned. Fuel strainer and carb inlet screen inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Electrical and plumbing inspected. Engine accessories and mount inspected. Prop, spinner, and bulkheads inspected. Prop blades dressed. Engine controls checked and lubed. AD's checked thru 2017-20. AD 17-16-11 dated 08-15-17, connecting rods, N/A by S/N or dates per SB 632B. AD 04-10-14C1 dated 06-25-04, crankshaft gear bolt, due at overhaul, prop strike, or sudden stop. Repaired baffle by #2 cylinder. Removed and replaced #1 & #2 cylinders due to aluminum in oil filter. Cylinders replaced with serviceable units repaired by Poplar Grove Airmotive Inc. see release tag. Cylinders installed with new seals and gaskets. All work completed IAW Lycoming Overhaul manual. Exhaust and intake reinstalled. Engine run up, ops and leak check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7672
Signed [redacted] A&P No. [redacted]

Installed new guides, ground seats and valves, honed bore, Fit and installed new Rings on existing piston. Repaired I.A.W. O/H Manual 60294-7-14

END

N4978B
11-01-17
Tach 5465.7

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DA

s

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Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

N4978B Engine.
7-25-17 Tach:5325
Drained oil, removed filter and cut open. No defects noted. Installed Champion CH48110-1 filter added 6 qts AeroShell 15W50 oil. Lower plugs cleaned, gapped, tested and inspected. Engine area inspected. Lights, stall warning horn and pitot heat checked. Tires and brakes inspected and serviced. Complied with AD 80-11-04 tail nut plates, performed visual inspections, no problems found next due Tach 5425. Complied with AD 11-10-09 seat track inspections, performed visual inspections, no problems found next due Tach 5425. Engine run up performed ops and leak checked good. Complied with AD 84-26-02, by removal and replacement with new Donaldson paper filter P/N P10-7150, next due Tach 5825. Performed ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7603
Signed [redacted] A&P No. [redacted]

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
8-25-17 Tach:5366 TTAF:15,366 SMOH:1016
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected control surfaces, cables, and pulleys. Removed and replaced L/H aileron control rod end with new and rigged as needed. C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nutplates, no defects noted, next due 5466 tach. Checked lights and heats. Inspected windows and doors. Inspected landing gear, wheels, tires, and brakes. Inspected interior, seats, seat tracks, instrument panel, and wiring. Re-secured L/H armrest as needed. Removed and replaced R/H window latch spring with new. C/W AD11-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 5466 . Inspected ELT IAW FAR91.207, ops check good, battery next due 2/19. Performed run-up.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7633
Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
06-02-17 Tach 5213.3
Oil drained, filter removed and cut open. No defects noted. CH48110-1 filter installed and 6 qts Aero Shell 15W50 added. Lower plugs cleaned, gapped, tested, and inspected. Reinstalled with new gaskets and torqued. Tires and brakes checked and serviced. Battery checked and serviced. AD's checked thru 2017-10. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, OK, due next at 5313.3 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, OK, due next at 5313.3 tach. Co-pilots seat removed and repaired and reinstalled. Ops check good. Aircraft run up, ops and leak heck good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7551.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
6-21-17 Tach:5266 TTAF:15,266 SMOH:1016
Completed annual inspection this date. Checked compressions 76-75-78-75. Changed oil and filter, added 6 qts 15W-50 Aeroshell oil. Cut open filter and inspected. Removed and replaced oil filler tube with new. Cleaned, gapped, tested, and inspected spark plugs. Cleaned and inspected induction air filter. Cleaned and inspected fuel strainer. Inspected prop, hub, and spinner. Dressed and painted prop. Inspected engine and accessories for condition. Removed and replaced #2 rocker cover gasket with new. Performed run-up and leak check.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7529
Signed [redacted] A&P No. [redacted]

14a. [X] 14 CFR 43.9 Return to Service [X] Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature: [redacted]	14c. Approval/Certificate No.: [redacted]
14d. Name (Typed or Printed): Scott Ward	14e. Date (dd/mmm/yyyy): 21-Sep-2015

Responsibilities

constitute authority to install the part/component/assembly.

thiness authority different than the airworthiness authority of the country specified in
s parts/components/assemblies from the airworthiness authority of the country specified in

aft maintenance records must contain an installation certificate issued in accordance with the

d). Installed new ring
ned engine run up,

paired in accordance with
are on file at this

Aeroshell oil. Cut
and timed to
nub, and spinner.

ned to be in

10. Serial Number

6041953

ntity:

1

HINESS APPRO

0

.5 using FAA/PMA parts.

145 and in respe

Tach: 5143

Aviation
Country:
United States

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: 5580899

Organization Name and Address:
Textron Aviation Inc. (PC4)
Textron Aviation Inc.
1 Cessna Blvd, Wichita, KS 67215

5. Work Order/Contract/Invoice Number: 2653447

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
10	RING GEAR	60882	1	N/A	New

12. Remarks:

AUTHORIZED RELEASE DOCUMENT

4/14/17 N4978B PO#: 170410

Tach: 5143

13a. Certifies the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: [redacted]

13c. Approval/Authorization No.: PC4

14b. Authorized Signature

14c. Approval/Certificate No.

13d. Name (Typed or Printed): TERRY WEEKS

13e. Date (dd/mmm/yyyy): 13/Apr/2017

14d. Name (Typed or Printed)

14e. Date (dd/mmm/yyyy)

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

PHONE: 414-461-3222
FAX: 414-461-8207

Inc 8130 attached). Installed new ring
s needed. Performed engine run up,

spected and/or repaired in accordance with
ile at this
[redacted]

4-461-3222
14-461-8207

ded 6 qts 15W-50 Aeroshell oil. Cut
oints on RH mag and timed to
Inspected prop, hub, and spinner.
up and leak check.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7524

Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Engine
04-14-17 Tach 5143
Replaced starter assay with O/H unit P/N MMU 4001R S/N 6041953 (see T&W electric Service Inc 8130 attached). Installed new ring gear P/N 60882 on engine flywheel. Installed and secured assy. Torqued and safetied hardware as needed. Performed engine run up, systems check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7464.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
4-24-17 Tach 5168 TTAF:15168 SMOH:918
Completed annual inspection this date. Checked compressions 78-80-70-76. Changed oil and filter, added 6 qts 15W-50 Aeroshell oil. Cut open filter and inspected. Cleaned, gapped, tested, and inspected spark plugs. Removed and replaced points on RH mag and timed to engine, ops check good. Cleaned and inspected induction air filter. Cleaned and inspected fuel strainer. Inspected prop, hub, and spinner. Dressed and painted prop. Inspected engine and accessories for condition. Performed run-up and leak check.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7524
Signed [redacted] A&P No. [redacted]

YE
20
DA

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
11-22-16 Tach 5049.6 698.6 SMOH 6134.6 TT
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained and filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Shell 15W50. Plugs cleaned gapped, tested and inspected. Mag timing checked. Ignition leads inspected, cleaned, and tested. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Compression, 1.78/80, 2.78/80, 3.78/80, 4.78/80. Fuel primer nozzles cleaned and inspected. Fuel strainer and carb inlet screen inspected and cleaned. Engine controls checked and lubed. Engine accessories and mount inspected. Prop dressed, inspected and painted. Spinner and bulkhead inspected. AD's checked thru 2016-22. Repaired right front baffle for cylinder #1. Engine run up, ops and leak checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7404
Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine.
3-7-17 Tach:5103.0
Drained oil, removed filter and cut open. No defects noted. Installed Champion CH48110-1 filter added 6 qts AeroShell 15W50 oil. Lower plugs cleaned, gapped, tested and inspected. Engine area inspected. Lights, stall warning horn and pitot heat checked. Tires and brakes inspected and serviced. Complied with AD 80-11-04 tail nut plates, performed visual inspections, no problems found next due Tach 5203. Complied with AD 11-10-09 seat track inspections, performed visual inspections, no problems found next due Tach 5203. Engine run up performed ops and leak checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7464.
Signed [redacted] A&P No. [redacted]

1. Approving Civil Aviation Authority / Country:	2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number:
FAA / UNITED STATES		4186676

4. Organization Name and Address:
Cessna Aircraft Company (PC4)
Cessna Parts Distribution Dept. 702
5800 E Pawnee, Wichita, KS 67218

5. Work Order/Contract/Invoice Number: 1360665

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
4	BELT V	S1597-1-37.5	1	N/A	New

12. Remarks:
AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.
N4978B 6/24/16
Lot/Batch # 3Q13 Tach: 4948 PO# 140410

13a. Certifies the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
[redacted]	[redacted]		[redacted]
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy)
MARILYN K. FARBER	11/APR/2014		[redacted]

User / Installer Responsibilities
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02/14) * Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

PHONE: 414-461-3222
FAX: 414-461-8207

nual. Checked compressions 78-78-76-76. Drained
en oil filter and inspected. Checked mags and mags
Cleaned and inspected carb inlet fuel screen. Cleaned
d, and tested spark plugs. Inspected plumbing and
pected engine assy and engine accessories. Inspected
ted prop blades. Cleaned and inspected induction air
t with new P/N 72059. Torqued and safetied assy.
oming SI1129B. Torqued and safetied hardware.

[redacted] inspection and was determined to be in
under work order no. 7251

PHONE: 414-461-3222
FAX: 414-461-8207

08-25-16 Tach 4999.8
Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Shell 15W50. Lower plugs cleaned, gapped, tested, and inspected. Engine area looked over. Battery inspected. Lights, stall horn and pitot heat checked. Tires and brakes checked and serviced. New brake pads installed, P/N RA066-109. Brakes run in. Engine run up, ops and leak checked good. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 7328
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Engine
6/24/16 Tach:4948 TTAF:14948 SMOH:698hrs
Completed annual inspection this date IAW FAR 43 appendix D and maintenance manual. Checked compressions 78-78-76-76. Drained oil, changed filter with new P/N CH48110-1, added 6qts Aeroshell 15w/50 oil. Cut open oil filter and inspected. Checked mags and mags timing. Performed high-tension lead test. Cleaned and inspected fuel primer nozzles. Cleaned and inspected carb inlet fuel screen. Cleaned and inspected fuel strainer assy and screen, replaced o-rings with new. Cleaned, gapped, and tested spark plugs. Inspected plumbing and wiring. Inspected exhaust and intake systems. Checked and lubed engine controls. Inspected engine assy and engine accessories. Inspected and serviced aircraft battery. Inspected spinner, prop, and bulkhead. Dressed and painted prop blades. Cleaned and inspected induction air filter. Inspected alternator belt for condition and tension. Replaced oil filler tube gasket with new P/N 72059. Torqued and safetied assy. Replaced alternator belt assy with new P/N S1597-1-3.75. Adjusted tension IAW Lycoming SI1129B. Torqued and safetied hardware. Performed engine run up, no leaks. Systems check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7251
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
08-25-16 Tach 4999.8
Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Shell 15W50. Lower plugs cleaned, gapped, tested, and inspected. Engine area looked over. Battery inspected. Lights, stall horn and pitot heat checked. Tires and brakes checked and serviced. New brake pads installed, P/N RA066-109. Brakes run in. Engine run up, ops and leak checked good. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 7328
Signed [redacted] A&P No. [redacted]

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TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B ENG.
02-12-16 Tach 4849.3 6134.3TT 599.3 SMOH
Annual inspection completed on this date IAW FAR 43 appendix D. Oil drained and filter removed. Oil filter cut open and inspected, no defects noted. Installed CH48110-1 filter and added 6qts SHELL 15W50. Plugs cleaned gapped tested and inspected. Ignition leads inspected and cleaned. Mag timing checked and adjusted. Compression, 1.77/80, 2.78/80, 3.77/80, 4.78/80. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Engine mount and accessories inspected. Prop inspected dressed and painted. Spinner and bulkhead inspected. Removed and replace3d valve cover gaskets. Removed and replaced oil dip stick seal, P/N 72312. Engine run up, ops and leak checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7170
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Powerplant
04-27-2016 Tach: 4905.5
Powerplant inspected for general condition. No discrepancies noted. Oil drained and replaced with 6qts new Aeroshell 15W-50. Oil filter removed and replaced with new CH48110-1, torqued, and safetied. Filter cut open and inspected. No discrepancies found. Bottom spark plugs removed, cleaned, inspected, gapped, tested, and reinstalled. Aircraft ground run and leak checked. No discrepancies found.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7230.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
8-14-15 Tach:4750 TTAF:14,750 SMOH:268
Completed annual inspection this date. Checked compressions 78-76-78-78. Changed oil and filter, added 6 qts 15W-50 Aeroshell oil. Cut open filter and inspected. Removed and replaced oil filler tube with new. Cleaned, gapped, tested, and inspected spark plugs. Cleaned and inspected induction air filter. Cleaned and inspected fuel strainer. Inspected prop, hub, and spinner. Dressed and painted prop. Inspected engine and accessories for condition. Removed and replaced #2+#4 rocker cover gaskets with new. Performed run-up and leak check.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7035
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Engine
10-29-15 Tach 4800
Oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Aeroshell 15w/50 oil. Cleaned, gapped and tested lower spark plugs. Inspected engine for general condition. Tightened and secured oil filler tube as needed. Torqued and safetied. Complied with AD 84-26-02 dated 1/29/85by replacement of paper induction air filter with new. Installed and secured assy. Next due 5300 RTT. Performed engine run up, no leaks. Systems check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7014
Signed [redacted] A&P No. [redacted]

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations

er of
tries.)

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
06-19-15 Tach 4693.5
Removed and replaced right magneto, with P/N 4381, S/N 15010305. New gasket installed. Timed and ran up engine, ops and leak checked good. Top cowl reinstalled.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6985
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Powerplant
06-25-2015 Tach: 4700
Powerplant inspected for general condition. No discrepancies noted. Oil drained and replaced with 6qts new Aeroshell 15W-50. Oil filter removed and replaced with new CH48110-1, torqued, and safetied. Filter cut open and inspected. No discrepancies found. Bottom spark plugs removed, cleaned, inspected, gapped, tested, and reinstalled. Aircraft ground run and leak checked. No discrepancies found.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6985.
Signed [redacted] A&P No [redacted]

4b. Authorized Signature: [redacted]	14c. Approval/Certificate No.: V24R156B
d. Name (Typed or Printed): Mark Keeney Jr.	14e. Date (dd/mmm/yyyy): 01/Oct/2014

esponsibilities

authority to install the engine/propeller/article.

uthority different than the airworthiness authority of the country specified in
ft engine(s)/propeller(s)/article(s) from the airworthiness authority of the

ance records must contain an installation certification issued in

NSN 0052-00-012-9005

3222
8207

V50. Lower plugs
ttery checked and

epaired in accordance with
rformed on file under

nd inspected, no
gnition leads
r and carb inlet
ount and
checked and
arb, P/N 10-5267,

14a. [X] 14 CFR 43.9 Return To Service [X] Other Regulation Specified in Block 12

ertifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was
completed in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work , the items
e approved for return to service.

4b. Authorized Signature:

14c. Approval/Certificate No.:

S/N MSA08602. Adjusted carb as required. Engine run up, ops and leak checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6942
Signed [redacted] A&P No. [redacted] IA

er/Contract/Invoice Numb
A086

11 Status / Work:
Overhauled

IFIED IN BLOCKS
D UNDER EASA
ORTHINESS

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
02-13-15 Tach 4602.7
Drained oil, removed filter and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Shell 15W50. Lower plugs cleaned, gapped, tested and inspected. Air filter inspected and cleaned. Lights, heat, and stall horn checked. Battery checked and serviced. Tires and brakes checked and serviced. Aircraft run up, ops and leak checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6905.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B ENG.
04-24-15 Tach 4650 5935 ETT 400 SMOH
Annual inspection completed on this date IAW FAR 43 appendix D. Oil drained and filter removed. Oil filter cut open and inspected, no defects noted. Installed CH48110-1 filter and added 6qts SHELL 15W50. Plugs cleaned gapped tested and inspected. Ignition leads inspected and cleaned. Mag timing checked and adjusted. Compression, 1.78/80, 2.78/80, 3.78/80, 4.78/80. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Engine mount and accessories inspected. Prop inspected and dressed. Spinner and bulkhead inspected. Removed all four valve covers and checked and adjusted valve clearance, ref. Engine overhaul manual. Installed valve cover with new gaskets. Removed and replaced carb, P/N 10-5267, S/N MSA08602. Adjusted carb as required. Engine run up, ops and leak checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6942
Signed [redacted] A&P No. [redacted] IA

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Engine
09-8-14 TACH 4530
Engine has rough RH mag drop. Checked ignition leads. Cleaned, gapped, and tested spark plugs. Found cyl#4 top spark plug tested bad. Installed new spark plug P/N REM37BY. Performed engine run up, no leaks. Checks good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6786.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B engine
10-23-14 Tach 4551.4 301.4 SMOH 5836.4 TT
Annual inspection completed on this date IAW FAR 43 app. D. Oil drained and filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6qts Shell 15W50. Plugs cleaned gapped, tested and inspected. Mag timing checked. Ignition leads inspected, cleaned, and tested. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Compression, 1.78/80, 2.78/80, 3.78/80, 4.78/80. Fuel primer nozzles cleaned and inspected. Fuel strainer and ~~servo~~ inlet screen inspected and cleaned. Engine controls checked and lubed. Engine accessories and mount inspected. Prop dressed, inspected and painted. Spinner and bulkhead inspected. Carb air box left side re-riveted four top side rivets and sealed and reinstalled. AD's checked thru 2014-20. Engine run up, ops and leak checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. ~~6856~~ 6786
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD

GRAN-AIRE, INC.

PHONE: 414-461-3222

N4978B
8-11-14 Tach:4505
Changed oil and filter, added 6qts Aeroshell 15W-50 oil. Cut open filter and inspected. Cleaned, gapped, tested, and inspected lower spark plugs. Performed run-up and leak check.
With respect to the work performed on this
current Federal Aviatio
agency under work ord
Signed [redacted]

N4978B Engine
08-14-14 TAC
Engine hard start
up, no leaks. Che
With respect to th
current Federal A
agency under wor
Signed

N4978B Engine
08/21/14 Tach: 4512
Engine hard starting.
induction air filter. Inst
With respect to the wor
current Federal Aviatio
agency under work ord
Signed

ASE CERTIFICATE

toire Autorisé

ORM 1

de l'EASA

3. Form Tracking Number *N° de repère du Formulaire*	
	14 / 91438 / NKE / N / B

	5. Work Order / Contract / Invoice *Bon de commande / Contrat / Facture*
AV Déchaux FERRAND CEDEX 9	4281S00011

9. Qty / *Qté*	10. Serial No. / *N° série*	11. Status / Work / *Etat / Travaux*
1	4281S00011	NEW

'This document has been issued according to an approved computer generated signature procedure'
'Ce document a été émis selon une procédure approuvée de signature électronique'

14a. ☐ Part 145.A.50 Release to Service
Approbation pour remise en service
Selon Partie 145.A.50

☐ Other regulation specified in block 12
Autre réglementation précisée en case 12

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
04-02-14 Tach 4418.6
50 hr oil change completed. Drained oil and removed and cut open filter. No defects noted. Installed CH48110-1 filter and added 6qts Shell 15W50. Lower plugs cleaned gapped, tested and inspected. Battery checked and serviced. Lights, stall horn and heat ops checked. Tires and brakes checked and serviced.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6635
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B ENG.
06-24-14 Tach 4454 5803 TT 268 SMOH
Annual inspection completed on this date IAW FAR 43 appendix D. Oil drained and filter removed. Oil filter cut open and inspected, no defects noted. Installed CH48110-1 filter and added 6qts SHELL 15W50. Plugs cleaned gapped tested and inspected. Ignition leads inspected and cleaned. Mag timing checked and adjusted. Compression, 1.78/80, 2.78/80, 3.77/80, 4.78/80. Fuel strainer and carb inlet screens inspected and cleaned. Exhaust and heater system inspected. Intake and filter inspected and cleaned. Engine mount and accessories inspected. Prop inspected and dressed and painted. Spinner and bulkhead inspected. Removed all four valve cover and checked and adjusted valve clearance, ref. EMM. Installed valve cover with new gaskets. Removed and replaced oil door spring, P/N 1552010. Ops checked good. Engine run up, ops and leak checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6714
Signed [redacted] A&P No. [redacted] EA

...Tests, Repairs and Alterations

N4978B TIMMERMAN FIELD **GRAN-AIRE, INC.** PHONE: 414-461-3222

8-19-13 Tach:4312

Changed oil and filter, added 6 qts 15W-50 oil. Cut open filter and inspected. Cleaned, gapped, tested, and inspected lower spark plugs. C/W AD84-26-02 dated 1-29-85 by removing and replacing paper air filter with new, next due 4812. Performed run-up and leak check. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6596

Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Engine

10/25/13 Tach:4360 TTAF:14360 SMOH:110hrs

Completed annual inspection this date. Checked compressions 78-76-78-78. Drained oil, changed filter with new P/N CH48110, added 6qts 20w/50 Phillips Type M oil. Cut open oil filter and inspected. Checked mags and mags timing. Performed high-tension lead test. Cleaned and inspected fuel primer nozzles. Cleaned and inspected carb inlet fuel screen. Cleaned and inspected fuel strainer assy and screen, replaced o-rings with new. Cleaned, gapped, and tested spark plugs. Inspected plumbing and wiring. Inspected exhaust and intake systems. Checked and lubed engine controls. Inspected engine assy and engine accessories. INspected and serviced aircraft battery. Inspected spinner, prop, and bulkhead. Dressed and painted prop blades. Cleaned and inspected induction air filter. Inspected alternator belt for condition and tension. Performed engine run up, no leaks. Systems check good.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6568

Signed [redacted] A&P No. [redacted] IA

YEAR
20__
DATE

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Engine
5/10/13 Tach:4263 TTAF:14263 SMOH:13hrs
Completed annual inspection this date. Checked compressions 76-78-78-78. Drained oil, changed filter with new P/N CH48110, added 6qts 20w/50 Phillips Type M oil. Cut open oil filter and inspected. Checked mags and mags timing. Performed high-tension lead test. Cleaned and inspected fuel primer nozzles. Cleaned and inspected carb inlet fuel screen. Cleaned and inspected fuel strainer assy and screen, replaced o-rings with new. Cleaned, gapped, and tested spark plugs. Inspected plumbing and wiring. Inspected exhaust and intake systems. Checked and lubed engine controls. Inspected engine assy and engine accessories. INspected and serviced aircraft battery. Inspected spinner, prop, and bulkhead. Dressed and painted prop blades. Cleaned and inspected induction air filter. Inspected alternator belt for condition and tension. Installed oil quick drain plug P/N S1951-5. Tourqued and safetied. Performed engine run up, no leaks. Systems check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6437
Signed [redacted] A&P No. [redacted] IA

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
07-24-13 Tach 1292

Drained oil and removed filter. Filter cut open, no defects noted. Installed new CH48110-1 filter and added 6qts Shel 15W50. Checked lights and horn. Checked and serviced tires and battery. Installed new shaft for vacuum pump, P/N AEL72972 and new seal, P/N 40056 and two new gaskets. Run-up, ops and leak checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6458
Signed [redacted] A&P No. [redacted]

YEAR
20__
DATE

Repairs and Alterations

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Engine
2/26/13 Tach: 4250 TSOH: 0hrs

Installed O/H engine Lycoming M/N 0-235-L2C S/N L-21970-15 on to this aircraft N4978B Cessna 152 S/N 83736. (see polpar grove airmotive inc log entry for O/H details) Installed with new engine shock mounts P/N J7402-1. Installed starter P/N MMU-4001. Installed alternator P/N DOFF10300B. Installed vac pump P/N 211CC. Installed O/H oil cooler P/N 8406R S/N 7246. Installed O/H carburetor P/N 10-5267 S/N MS716033. Installed new engine hoses P/N AE7010000B0125 and P/N AE7010000G0082. Installed carb airbox and exhaust system. Installed and secured baffle system. Installed prop assy. Connected and rigged engine controls. Routed, connected, and secured wiring. Swapped over and secured fittings, plugs, and probes as needed. Serviced engine with 6qts Phillips 20w/50 type M oil. Torqued and safetied all hardware as needed. Installed and secured fuel primer lines. Installed new E-Z heat sump heat pad. Repaired broken wire for alternator positive terminal end. Made repairs as needed to various metal baffle pieces. Installed new baffle seal as needed. Replaced Adel clamps with new P/N MS291919WDG24 for fuel primer lines. Repaired broken wire for LH mag p-lead as needed. Replaced cabin heat duct clamp at muffler shroud with new P/N S1891-48. Installed new nut-plates P/N MS21059L3 on top fwd cowl for winter front attachment. Performed engine run up, no leaks. Adjusted idle speed and idle mixture as needed. All work done IAW maintenance manual. Completed flight test. All systems check good.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6365.

Signed [redacted] A&P No. [redacted]

YEAR 20___ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

MAKE LYCOMING **MODEL** 0-235-L2C **S/N** L-21970-15

Total Time 5,535.00 **Hours** **Time Since Major Overhaul** ZERO **Hours**

This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual 60294-7 New tolerances and clearances were maintained. A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook.

Installed crankshaft, p/n LW12696, s/n 120820 reconditioned by Aircraft Engine Accessory Co. Installed camshaft, p/n 75706, s/n 99H2B repaired by Aircraft Specialties Services. Installed new tappets, p/n 15B26091. Installed (4) new cylinder kits, p/n 05K23037. Installed magnetos left, p/n 4381, s/n 12120522, and right, p/n 4381, s/n 12120523 new from Champion. Supplied carburetor P/N 10-5267, S/N MS716033, overhauled by Marvel-Shebler. See A.D. Compliance Record and Parts List for more details.----------

----------END----------

All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under:

Work Order # 5187 **Date** 2/18/2013

Poplar Grove Airmotive, Inc.
Poplar Grove Airport, Poplar Grove, IL
FAA Approved Repair Station #YYBR664L

Dave Mason [redacted]
Signed for Poplar Grove Airmotive, Inc.

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE

Alterations
ate Number of
pecific entries.)

MANUFACTURER: Lycoming **ENGINE MOD:** O-235-L2C **S/N:** L-21970-15 **WO #** 5187

AD #	DESCRIPTION	COMPLIANCE STATUS
75-08-09 R(3)	oil pump drive shaft	N/A has drive shaft with flats
78-25-01	Slick magneto	N/A by P/N
#80-25-02 R2	engine push rods	P/C/W by inspection of steel pushrods
90-04-06 R1	external oil line	N/A has fixed-pitch prop
95-03-10	engine push rods	N/A has steel pushrods
95-26-02	improper fuel	N/A by aircraft registration number
96-09-10 C	oil pump	P/C/W I/A/W SB524
98-17-11	crankshaft	C/W by inspection of crankshaft IAW para (b)
#04-10-14	crankshaft gear	C/W by inspection IAW Lycoming SB 475C
12-03-07	HA-6 carburetors	N/A by model carburetor

Poplar Grove Airmotive, Inc.
FAA Approved Repair Station YYBR664L **David Mason** [redacted] **Date:** 2/18/2013

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)

MANUFACTURER: Lycoming **ENGI**

AD #	DESCRIPTION
75-08-09 R(3)	oil pump drive shaft
78-25-01	Slick magneto
#80-25-02 R2	engine push rods
90-04-06 R1	external oil line
95-03-10	engine push rods
95-26-02	improper fuel
96-09-10 C	oil pump
98-17-11	crankshaft
#04-10-14	crankshaft gear
12-03-07	HA-6 carburetors

Poplar Grove Airmotive, Inc.
FAA Approved Repair Station YYBR664L

Poplar Grove Airmotive, Inc.
Shop Orders — Inventory Summary
For Shop Order 5187 Only

13
AM

der #	Close Date	Dsc #	Part Number	Description	Action Date	Wrnty?	Quantity	Units
5187	/ /	3,000	10-5267	Carburetor- O/H	1/31/2013		1.00	Each
5187	/ /	2,000	SL61499-1	Gasket Set	1/25/2013		1.00	Each
5187	/ /	2,000	STD1211	PLUGS	1/25/2013		1.00	Each
5187	/ /	2,000	SL-STD2213	Screw	1/25/2013		1.00	Each
5187	/ /	2,000	15B26091	Lifters	1/25/2013		8.00	Each
5187	/ /	2,000	SL68763A M10	Main Bearing	1/25/2013		8.00	Each
5187	/ /	2,000	SL1028-B	Ball	1/25/2013		1.00	Each
5187	/ /	2,000	61084	Spring	1/25/2013		1.00	Each
5187	/ /	2,000	AA48110	Oil Filter, Tempest	1/25/2013		1.00	Each
5187	/ /	2,000	LW13923	Rod Bushing	1/25/2013		4.00	Each
5187	/ /	2,000	SL78027	Bolt	1/25/2013		8.00	Each
5187	/ /	2,000	SL12186	Nut	1/25/2013		8.00	Each
5187	/ /	2,000	SL60398	Bushing	1/25/2013		8.00	Each
5187	/ /	2,000	SL13790A	Shaft	1/25/2013		3.00	Each
5187	/ /	2,000	SL12892	Thrust Button	1/25/2013		8.00	Each
5187	/ /	2,000	STD2180	Hose	1/25/2013		4.00	Each
5187	/ /	2,000	STD1196	HOSE	1/25/2013		4.00	Each
5187	/ /	2,000	STD1901	Rivit, Data Plate	1/25/2013		4.00	Each
5187	/ /	2,000	LW25-1.25	Bolt	1/25/2013		3.00	Each
5187	/ /	2,000	LW25-0.94	Bolt	1/25/2013		3.00	Each
5187	/ /	2,000	STD1925	Screw	1/25/2013		3.00	Each
5187	/ /	2,000	60903	Tube	1/25/2013		1.00	Each
5187	/ /	2,000	AELSTD551	Plug	1/25/2013		1.00	Each
5187	/ /	2,000 M	CR8700	Seal	1/25/2013		1.00	Each
5187	/ /	2,000	60928	Oil Return Line	1/25/2013		1.00	Each
5187	/ /	2,000	60890	Oil Line	1/25/2013		1.00	Each
5187	/ /	2,000	LW13304	Baffle	2/07/2013		2.00	Each
5187	/ /	2,000	AEL69373	Rod Bearing	2/08/2013		8.00	
5187	/ /	2,000	SL13790A	Shaft	2/15/2013		1.00	Each
5187	/ /	2,000	SL76510	Gasket	2/15/2013		1.00	Each
5187	/ /	2,000	QS100-24(200-24)	Clamp	2/15/2013		8.00	Each
5187	/ /	2,000	05K23037	Cylinder	1/29/2013		4.00	Each
5187	/ /	2,000	K4529-37BY	Mag Kit	1/29/2013		1.00	Each
5187	/ /	2,000	0235L3C	Crankshaft	1/30/2013		1.00	Each

5187

2/18/2013

Engine Record General Information

Manufacturer Lycoming **Model** O-235-L2C

Serial L-21970-15 **Type Certificate**

This engine is currently installed in aircraft: N4978B 152 S/N 83736

Minimum Octane Fuel _____ **Oil Grade** Summer _____ Winter _____

Magneto Time _____ **Point Setting** _____ **Firing Order** _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ **hours**

FOR UPS SHIPPING ONLY

POPLAR GROVE AIRMOTIVE, INC.
CRS YYBR664L
SUGGESTED BREAK-IN PROCEDURE

After starting the engine, assure a normal warm up, but avoid prolonged ground running. Follow the airframe manufacturer's recommendations for take off power. When possible, reduce power to the climb power setting specified in the operator's manual. Establish a shallow climb angle to insure good air speed for proper cooling. Use more cowl flaps than normal or step climb to help in this process. Adjust mixture per aircraft operating handbook. Excessive heat is the primary cause of cylinder bore glazing. Make every effort to keep your operating temperature well into the green arc.

If the engine is normally aspirated (non-turbocharged) it will be necessary to cruise at a low altitude to obtain the required cruise power levels. We recommend a density altitude less than 5,000 feet to allow the engine to develop sufficient cruise power for a good break-in.

Do not run the engine above 75% power in a cruise setting or the probability of glazing cylinder bores is increased. Glazing cylinder bores required cylinder removal, honing and installing new piston rings. ***Poplar Grove Airmotive does not warranty this condition***. Your ability to keep the engine temperature well in the green arc and within a power range of 65% to 75% power will be the key to a successful break in.

Descend at low cruise power while closely monitoring the engine instruments. Avoid long descents at low manifold pressure and rapid descents, as this will cause the engine to cool too rapidly.

There is only one object to be accomplished during the break-in: the stabilization of oil consumption. Record all oil additions and flight hours in such a manner that quart per hours of flight is known. During this portion of the break-in, which could range from 25 to 100 hours, mineral oil ***must be*** used in the engine. Change oil and inspect filter after approximately 10 hours – then 35 hours – then per your normal schedule, however, do not use AD (ashless dispersant) oil until consumption stabilizes.

ENGINE OIL RECOMMENDATION FOR PISTON RING SEATING

Aeroshell 100	SAE 50	Above 60 degrees F
Aeroshell 80	SAE 40	30 degrees – 90 degrees F
Aeroshell 65	SAE 30	0 degrees – 70 degrees F
Phillips 20W-50	Type M	Winter Months

POPLAR GROVE AIRMOTIVE INC

Phone: 815.544.2300 800.397.8181 FAX: 815.544.8900

LIMITED AIRCRAFT ENGINE WARRANTY

Poplar Grove Airmotive, Inc. (PGA) limits its warranty on the listed engine overhauled by PGA to be free from defects in material and workmanship under normal use and service for a period of one year or twenty percent (20%) of the Manufacturer's Published T.B.O. in effect at the time of overhaul, which ever occurs first. All accessories overhauled by PGA are warranted for 240 hours of operation or six months, whichever event shall occur first.

The obligation of the Company under this warranty is limited to the repair or replacement, at the option of PGA, or any part, component or engine, which in the opinion of PGA is defective. The Company assumes no obligation for work accomplished at a facility other than PGA unless prior notification is given and the owner received authority from The Company to proceed. PGA additionally reserves the right to furnish any parts and/or components required. If requested by PGA, owner must return all warranted parts, transportation prepaid, to PGA for examination.

Pro-rata **PARTS WARRANTY** to T.B.O. is subject to a minimum accrual of 40 hours per month from date of delivery. Pro-rata adjustments will not be granted for removal and installation of engines, components or accessories, or for normal routine maintenance, inspections or adjustments. Replacement or repair of an engine, component or accessory will not be construed to extend the initial warranty period.

This warranty shall not apply to engines, their component parts or accessories which have been improperly installed, adjusted, stored, handled, repaired, altered or operated contrary to current manufacturer's recommendations of FAA Airworthiness Directives, or subjected to misuse, neglect, accident, pre-ignition, detonation, hydrostatic lock or corrosion. Pro-rata adjustments on engines, parts or component parts may be granted at the sole discretion of PGA during and up to T.B.O. Adjustments will be based on total pro-rata hours as a ratio to total current list price. The resultant cost per hour will be the basis for crediting unused hours.

PGA does not warrant accessories, such as factory-remanufactured magnetos, carburetors, starters, etc. supplied by a vendor other than PGA when that vendor has its own warranty.

No express warranties and no implied warranties, whether of merchantability or fitness for any particular use, or otherwise (except to title) other than that expressly set forth above, which is made expressly in lieu of all other warranties, shall apply to products sold by PGA.

This warranty and this Company's obligation thereunder is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, and all other obligations or liabilities, including consequential damages or contingent liabilities arising out of the failure of any engine or part to operate properly, and no person is authorized to give any other warranty or to assume any additional obligation on this Company's behalf unless made in writing and signed by an officer of this company.

Date 2/18/2013 Model Lyc. O-235-L2C S/N L-21970-15 WO# 5187

N49786

#1

A TOP RATED SHOP
POPLAR GROVE AIRMOTIVE INC
1-800-397-8181
poplargroveairmotive.com

The Standard

ENGINE LOG

ASA-SE-2

DATE

ED SIGNATURE,
ICATE TYPE
UMBER

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

Burlington Air Center Inc.
CRS No. J79R390Y

Phone: 262-763-9500
Fax: 262-763-2910

703 Airport Dr.
Burlington, WI 53105

N 49785 S.O. # RS-22-8885D

Test Alt x 1000 Ft.	-1	0	0.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tolerance +/- Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual +/- Ft.															

Test Alt x 1000 Ft.	20	22	25	30	35	40	45	50	After Effect	
Tolerance +/- Ft.	130	140	155	180	205	230	255	260	75 Ft. Hy. 50%	75 Ft. Hy. 40%
Actual +/- Ft.										

Certified that altimeter checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. B ☐

Certified that static system checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par.A. ☒

Certified that ATC transponder test and inspections required by FAR 91.413 were performed and found to comply with Part 43, App. F. ☒

Certified that automatic pressure altitude reporting system checks required by FAR 91.217 & FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. C ☒

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date 9/6/22

Signed [redacted]

ALTIMETER
Make
Model
S/N

BLIND ENCODER
Make Trimble
Model SSD-12
S/N 0238112

TRANSPONDER
Make Status
Model ESG
S/N Unknown

Cessna
A Textron Company

AIRFRAME MAINTENANCE RECORD #8

AIRCRAFT SERIAL AND REGISTRATION 4978B / C152 83736

RECORD NUMBER #8

517-2-13

MAINTENANCE RECORD

SCA

N4978B Febru
Checked tires a
check satisfacto
with AD 11-10-
With respect t
Aviation Regula
8433.
James Furlong

ZED SIGNATUR
IFICATE TYPE
NUMBER

1. Approving competent Authority Country
Autorité Compétente Pays
DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE

2.
AUTHORISED RELE ied
Certificat Libéra
EASA F
Formulaire 1

4. Organisation Name and Address :
Nom et Adresse de l'Organisme :

MICHELIN
A better way forward

MICHELIN – LP
Place des Carmes-
63040 CLERMONT
FRANCE

6. Item / *Item*	7. Description / *Description*	8. Part No. / *N° de pièce*
N/A	6.00-6/6/120	072-314-0

12. Remarks
Remarques

Norme(s) : TSOC62, ETSOC62
ETSOC62 Approval number: EASA.21O.945

13a Certifies that the items identified above were manufactured in conformity to :
Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :

☒ approved design data and are in a condition for safe operation

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Service
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MAINTENANCE RECORD

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, LLC Timmerman Field Milwaukee, WI(414) 461-3222

AIRFRAME Logbook Entry

N4978B February 17th, 2020 HOBBS: 6607.0 TACH: 7507.6 TTAF: 17507.6

Checked tires and brakes. Serviced tires. Checked all lights and pitot heat. Removed and replaced tail nav bulb with new p/n GE307. Operational check satisfactory. Complied with AD 80-11-04 dated 06/02/80, tail nut plates by inspection, check satisfactory. NEXT DUE: 7607.7 TACH. Complied with AD 11-10-09 dated 06/17/11, seat tracks by inspection/measurements, check satisfactory. NEXT DUE: 7607.7 TACH.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8433.

James Furlong [redacted] AP.

ZED SIGN
IFICATE T
NUMBER

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
3-6-2020 Tach: 6637.0 TTAF: 16637
Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. Checked cable tensions. Checked operation of all lights. Replaced instrument air filter P/N RA-D9-18-1 and regulator filter P/N B3-5-1. Checked and inspected ELT IAW FAR 91.207 battery due Feb 2021. Complied with AD11-10-09 effective 06-17-11 by inspecting/measurement of seat tracks and seat pins AD is next due at Tach: 6737.0. Complied with AD80-11-04 effective 06/02/80 by visually inspecting tail nut plates AD is next due at Tach: 6737.0. Replaced right tank fuel vent hose. Serviced nose strut with nitrogen. Replaced all brake linings with new P/N RA066-109.

I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no._____

Signed [redacted] A&P No. [redacted]

UTHORIZED SIGNATUR
CERTIFICATE TYPE
& NUMBER

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
5-7-2020 Tach: 6686.7
Changed oil and filter. added 6 quarts 15w-50 Aeroshell. removed cut and inspected oil filter no discrepancies noted. installed new oil filter P/N: CH48110-1. Complied with AD 80-11-04 effective 06-02-80 by visually inspecting tail nut plates AD next due Tach: 6786.7. Complied with AD 11-10-09 effective 06-17-11 by inspecting/measurement of seat tracks and engagement pins AD next due Tach: 6786.7. Removed and replaced L/H tire with new P/N: 072-314-0. Cleaned greased and inspected L/H main bearings and races. Replaced 7 smoking rivets on horizontal stabilizer P/N: CR3243-4-2. Performed operational/Leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no.

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
6-3-20 TACH: 6744.7 TTAF: 16744.7
Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. checked cable tensions. Checked operation of all lights. Serviced battery. Checked and inspected ELT IAW FAR 91.207 battery due Feb-21.

Discrepancies Addressed:

- Removed and replaced 2 loose rivets on horizontal stabilizer skin. P/N: CR3213-5-2
- Replaced seat belt grommet P/N: S2237-3
- Installed new rivets on L/H landing gear fairing
- Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 6844.7
- Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 6844.7
- Replaced 2 loose rivets on L/H aileron skin P/N: CR3213-4-2

I certify that this aircraft or engine has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8513

Signed [redacted] A&P No. [redacted]

A&P No. 4108448

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
6-23-20 Tach: 6809.5
Checked lights. Serviced battery. Serviced tires. AD 80-11-04 effective 06-02-80 complied with by visually inspecting tail nut plates AD next due tach: 6909.5. AD 11-10-09 eff 06-17-11 complied with by visual/measurement inspection on seat rails and engagement pins. AD next due Tach: 6909.5. performed operational/leak check no discrepancies noted. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8531.
Signed [redacted] A&P No. [redacted]

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SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
7-9-20 TACH: 6844 TTAF: 16844
Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. checked cable tensions. Checked operation of all lights. Serviced battery. Checked and inspected ELT IAW FAR 91.207 battery due Feb-21.

Discrepancies Addressed:

- Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 6944.
- Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 6944.
- Installed new brake rotors on R/H and L/H mains. Cleaned inspected and re-greased wheel bearings.
- Installed new brake linings on R/H and L/H brakes.
- Installed new elevator outboard hinge bushings.

I certify that this aircraft or engine has been inspected in accordance with 100hR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8553
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
07-30-20 Tach 6900.5

50 hr oil change, oil drained, filter removed and cut open. No defects noted. Installed CH48110-1 filter and added 6 qts Aero Shell 15W50. Engine run up, ops and leak check good. See Spring City Aviation checklist.

Discrepancies addressed

1. Removed lower spark plugs, clean, gap, inspect and test. Reinstall with new gaskets and torqued.
2. Cleaned induction air filter.
3. Checked lights, stall horn and pitot heat.
4. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection. No defects noted. Due next at 7000.5 hrs tach.
5. AD 11-10-09 dated 06-24-90, seat rails, C/W by inspection and measurement. No defects noted. Due next at 7000.5 hrs tach.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8578

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
8-5-20 Airframe
Tach: 6918.9

Re-secured pilot, co-pilot kick plate carpeting to airframe and trimmed fraying parts of carpet as necessary. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8578

Signed [redacted] A&P No. [redacted]

DATE

H

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
08-19-20 Tach 6945.3 16945.3 TT
Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. ELT battery next due date is FEB-2021. ADs checked thru 2020-16 AD 84-26-02 dated 01-29-85, air filter, due at 7045.0 tach. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 7045.3 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 7045.3 tach. AD 93-05-06 dated 09-24-90, ign switch, due a 7465 tach. Inspected vacuum system and replaced vacuum regulator filter B3-5-1. Aircraft run up, systems ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8589
Signed [redacted] A&P No. [redacted] IA

N4978B
9-3-20 Airframe
Tach: 6996
Checked all lights and pitot heat. Checked and serviced tires. checked brakes and serviced battery. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7096. Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7096. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8616.
Signed [redacted] A&P No. [redacted]

DATE

H

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
08-19-20 Tach 6945.3 16945.3 TT
Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. ELT battery next due date is FEB-2021. ADs checked thru 2020-16 AD 84-26-02 dated 01-29-85, air filter, due at 7045.0 tach. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 7045.3 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 7045.3 tach. AD 93-05-06 dated 09-24-90, ign switch, due a 7465 tach. Inspected vacuum system and replaced vacuum regulator filter B3-5-1. Aircraft run up, systems ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8589
Signed [redacted] A&P No. [redacted] IA

N4978B
9-3-20 Airframe
Tach: 6996
Checked all lights and pitot heat. Checked and serviced tires. checked brakes and serviced battery. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7096. Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7096. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8616.
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B September 24, 2020 HOBBS: 8068.6 TACH: 7043.2 TTAF: 17043.2

Annual inspection completed this date IAW FAR 43 appendix D. Wings, fuselage and tail given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges and linkages inspected and lubed. Doors, windows and seals inspected. Seats, belts and seats rails inspected and lubed. Lights, pitot heat and stall horn checked. Electrical and plumbing inspected. Interior, upholstery and panels inspected. Landing gear inspected and lubed. Tires and brakes inspected. ELT inspected IAW FAR 91.207 paragraph D. Operational check satisfactory. BATTERY DUE: 02/21. AD's checked through 2020-18. AD80-11-04 dated 06/02/80, tail nut plate, C/W by visual inspection, NEXT DUE: 7143.2 TACH. AD84-26-02 dated 01/29/85, air filter, NEXT DUE: 7244.7 TACH. AD11-10-09 dated 06/17/11, seat rails and pins, C/W by inspection and measurement, NEXT DUE: 7143.2 TACH. AD93-05-06, ignition switch, NEXT DUE: 7465 TACH. Performed run up and leak checks. Check satisfactory.

Discrepancies Addressed:

-Service nose strut with hydraulic fluid and nitrogen. Operational and leak check satisfactory.

-Remove and replace right main tire with new. Clean, inspect and repack wheel bearings. Operational and leak check satisfactory.

-Replace missing tail cap fin with new.

-Remove and replace carb heat cable with new. Operational check satisfactory.

-Replace chaff tape on Left flap

I certify that this aircraft or engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Pertinent details of the work performed are on file at this agency under work order 8610.

James Furlong [redacted] [redacted]

DATE

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, LLC Timmerman Field Milwaukee, WI(414) 461-3222

Airframe Logbook Entry

N4978B October 15th, 2020 TACH: 7089.4

Checked lights, pitot heat, brakes and battery. checked and serviced tires. operational and leak check performed. no discrepancies noted with AD 80-11-04 dated 06-02-80, tail nutplates, C/W by visual inspection. Check satisfactory Next due 7189.4 TACH. Complied with AD 6-17-11, seat rails, by visual inspection and measurement. Check satisfactory. Next due 7189.4 TACH.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Fe Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work or 8624.

James Furlong [redacted] [redacted]

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

Burlington Air Center Inc.
CRS No. J79R390Y

Phone: 262-763-9500
Fax: 262-763-2910

703 Airport Dr.
Burlington, WI 53105

N 4978B S.O. # R5-20-8304

Test Alt x ~~1000 Ft~~	-1	0	0.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tolerance +/- Ft.	20	~~20~~	20	20	25	30	30	35	40	60	~~80~~	90	100	110	120
Actual +/- Ft.															
Test Alt x 1000 Ft.	20	22	25	~~30~~	~~35~~	40	~~45~~	50	After Effect						
Tolerance +/- Ft.	~~130~~	~~140~~	155	180	205	230	255	260	75 Ft.		75 Ft.				
~~Actual +/- Ft.~~									Hy. 50%		Hy. ~~40%~~				

Certified that altimeter checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. B ☐

Certified that static system checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par.A. ☒

Certified that ATC transponder test and inspections required by FAR 91.413 were performed and found to comply with Part 43, App. F. ☒

Certified that automatic pressure altitude reporting system checks required by FAR 91.217 & FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. C ☒

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date 11/10/2020 Signed [redacted]

~~ALTIMETER~~
Make
Model
~~S/N~~

BLIND ENCODER
Make Tested
Model in
S/N Aircraft

TRANSPONDER
Make Appareo
Model Stratus
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SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

4978B November 9th, 2020 HOBBS: 8202.8 TACH: 7143.0 TTAF: 17143.0

Annual inspection completed this date IAW FAR 43 appendix D. Wings, fuselage and tail given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges and linkages inspected and lubed. Doors, windows and seals inspected. Seats, belts and seats rails inspected and lubed. Lights, pitot heat and stall horn checked. Electrical and plumbing inspected. Interior, upholstery and panels inspected. Landing gear inspected and lubed. Tires and brakes inspected. ELT inspected IAW FAR 91.207 paragraph D. Operational check satisfactory. BATTERY DUE: FEB 2021. AD's checked through 2020-22. AD80-11-04 dated 06-02-80, tail nut plates, C/W by visual inspection. Check satisfactory, NEXT DUE: 7243.0 TACH. AD84-26-02 dated 01-29-85, air filter, NEXT DUE: 7244.7 TACH. AD11-10-09 dated 06-17-11, seat rails and pins, C/W by visual inspection and measurement. Check satisfactory, NEXT DUE: 7243.0 TACH. AD93-05-06 dated 09-24-90, NEXT DUE: 7465.0 TACH. Performed aircraft run-up and leak checks. Check satisfactory.

Discrepancies Addressed:

- Remove and replace L/H main landing gear tire with new. Inspected wheel halves. Repacked bearings. Operational and leak checks satisfactory.
-Remove and replace nose gear tire with new. Inspected wheel halves. Repacked bearings. Operational and leak checks satisfactory.
-Remove and replace right nav light with new. Operational check satisfactory.
-Remove and replace cabin heat cable with new. Operational check satisfactory.

[redacted]at this aircraft or engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.
[redacted]details of the work performed are on file at this agency under work order 8624.
[redacted]rlong [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B November 17th, 2020 TACH: 7146.9 HOBBS: 8208.8

Reseal nose strut with new o-rings IAW Cessana MM. Service strut with 5606 and Nitrogen as necessary. Operational and leak checks satisfactory. With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8665.

James Furlong [redacted]

DATE

N4978B
12-11-20 Airframe
Tach: 7192.3
Checked all lights and pitot heat. Checked and serviced tires. checked brakes and serviced battery. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7292.3. Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7292.3. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8665
Signed [redacted] A&P No. [redacted]

1-29-21 N.S

TIMMERMAN FIELD
MILWAUKEE, WI
SCA SPRING CITY AVIATION
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
N.S ~~7-9-20~~ TACH: 7237.5 TTAF: 17237.5
Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. checked cable tensions. Checked operation of all lights. Serviced battery. Checked and inspected ELT IAW FAR 91.207 battery due Feb-21.

Discrepancies Addressed:

- Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7337.5.
- Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7337.5.
- Serviced nose strut with nitrogen.
- Replaced one rivet on horizontal stabilizer.

I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8684
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
2-24-21 Tach: 7260.8
Installed new ELT battery (P/N: BP-1020). Performed operational test of ELT no discrepancies noted. ELT Battery due May 2022. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8720.
Signed [redacted] A&P No [redacted]

AUTHORIZED SIG
CERTIFICATE
& NUMBE

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
3-12-21 Airframe
Tach: 7291.4
Checked and serviced battery. Checked all lights and pitot heat. Serviced all tires to correct inflation. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins AD is next due at Tach: 7391.4. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8720.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
4-15-21 TACH: 7335.8 TTAF: 17335.8
Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. checked cable tensions. Checked operation of all lights. Serviced battery. Checked and inspected ELT IAW FAR 91.207 battery due May 2022.

Discrepancies Addressed:

- Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7435.8.
- Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7435.8.
- Repaired luggage threshold with .032 aluminum.
- Replaced all brake linings with new linings (P/N: RA066-30026).
- Installed 6 new nut plates to cowl nose bowl.
- Replaced R/H main tire tube with new tube (P/N: 092-315-0).

I certify that this aircraft or engine has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8742
Signed [redacted] A&P No. [redacted]

AUTHORIZED S
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& NUME

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B May 14, 2021 TACH: 7382.8 HOBBS: 8524.0

Changed oil, removed filter, cut open and inspected. Check satisfactory. Installed new CH48110-1 oil filter and added 6 quarts 20W50 Victory oil. Cleaned, gapped, tested and inspected lower plugs. Checked and serviced battery. Checked lights, tires and brakes. Operational checks satisfactory. With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8768.
James Furlong [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
6-14-21 TACH: 7427.4 TTAF: 17427.4
Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. checked cable tensions. Checked operation of all lights. Serviced battery. Checked and inspected ELT IAW FAR 91.207 battery due May 2022.

Discrepancies Addressed:

- Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7527.4.
- Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7527.4.
- Replaced R/H aileron control rod ends with new rod ends (P/N: S1819-3).
- Replaced pilot R/H rudder pedal with new pedal (P/N:0413578-1) and new brake pivot shaft.

I certify that this aircraft or engine has been inspected in accordance with 100 HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8768
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
6-19-21 Tach: 7452.0
Replaced L/H tire and tube with new tire (P/N: 072-314-0) and new tube (P/N:092-500-0) Replaced R/H and L/H Brake linings with new linings(P/N: RA066-30026). With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8768.
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
6-24-21 Tach: 7461.9
Complied with AD 93-05-06 eff. 09/24/90 by replacing switch plate and contact points with new parts AD 93-05-06 next due @ Tach: 9461.9. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8768

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
7-1-21 Airframe
Tach: 7472.2
Checked and serviced battery. Checked all lights and pitot heat. Serviced all tires to correct inflation. Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins AD is next due at Tach: 7572.2. Complied with AD 80-11-04 eff. 06-02-80 by visually inspecting tail nut plates AD is next due at Tach: 7572.2 With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8762.

Signed [redacted] A&P No. [redacted]

Timmerman Field
Milwaukee, WI

SCA Spring City Aviation

Phone: 414-461-3222
Fax: 414-461-8207

N4978B Airframe

7-30-21 TACH: 7524.7 TTAF: 17524.7

Performed 100hr inspection IAW FAR 43 appendix D. Inspected wings fuselage empennage and cabin. Inspected landing gear checked and serviced tires. Checked inspected and lubed all flight controls and pulleys. checked cable tensions. Checked operation of all lights. Serviced battery. Checked and inspected ELT IAW FAR 91.207 battery due May 2022.

Discrepancies Addressed:

- Complied with AD 11-10-09 eff. 06-17-11 by visual/measurement inspection of seat rails and engagement pins. AD next due Tach: 7624.7
- Complied with AD 80-11-04 eff. 6-02-80 by visually inspecting tail nut plates. AD next due Tach: 7624.7
- Replaced Instrument air filter and pressure relief filter with new filters.

I certify that this aircraft or engine has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8839

Signed [redacted] A&P No. [redacted]

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& NUMBER

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ATE TYPE
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SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
09-10-21 Tach 7618.7 17618.7 TT
Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. ELT battery next due date is MAY-2022. ADs checked thru 2021-18 AD 84-26-02 dated 01-29-85, air filter, due at 8024.7 tach. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 7718.7 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 7718.7 tach. AD 93-05-06 dated 09-24-90, ign switch, due a 9461.5 tach. Inspected vacuum system and replaced vacuum regulator filter B3-5-1. Removed and replaced right main tire, 6.00X6 6PR. Aircraft run up, systems ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8839
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
10-25-21 Tach: 7673.3 50hr
Complied with AD 80-11-04 eff 06/02/80 by visually inspecting tail nut plates. AD is next due @ Tach: 7773. Complied with AD 11-10-09 by visual/measurement inspecting of seat tracks and engagement pins. AD is next due @ tach: 7773.3. Serviced nose strut. Ops checked all exterior lights and pitot heat. Inspected brakes and tires. With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service.
Pertinent details of the repair are on file at this agency under work order no._____.
Signed [redacted] A&P No [redacted]

DATE

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
11-10-21 Tach 7698.4
Serviced nose strut with nitrogen. No leaks noted.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8913 [redacted]

Signed _____ A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B November 30th, 2021 TACH: 7712.4 TTAF: 17712.4

Annual/100HR inspection completed this date IAW FAR 43 appendix D. Wings, fuselage and tail given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges and linkages inspected and lubed. Doors, windows and seals inspected. Seats, belts and seats rails inspected and lubed. Lights, pitot heat and stall horn checked. Electrical and plumbing inspected. Interior, upholstery and panels inspected. Landing gear inspected and lubed. Tires and brakes inspected. Battery serviced and inspected. Check satisfactory. ELT inspected IAW FAR 91.207 paragraph D. Operational check satisfactory. BATTERY DUE: May 2022. AD's checked through this date. AD84-26-02 dated 01-29-85, air filter due at 8024.7 TACH. AD11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, check satisfactory NEXT DUE: 7812.4 TACH. AD80-11-04 dated 06-02-80, tail nut plates C/W by inspection, check satisfactory NEXT DUE: 7812.4 TACH. AD93-05-06 dated 09-24-90, ign switch due at 9461.5 TACH. Aircraft run up, systems, leak checks satisfactory.

Discrepancies Addressed:

-Remove and replace pilots attitude indicator with overhauled unit p/n 23-501-031-1 s/n T103290G IAW Cessna MM. Operational check satisfactory.
-Remove and replace battery with new GILL G243 battery s/n G03122324 IAW Cessna MM. Operational check satisfactory.
-Remove and replace right main brake disc and pads with new p/n RA066-30026 PADS and RA164-30615-1 DISC IAW Cessna MM. Operational check satisfactory.
-Remove and replace R/H nav light with new p/n 7512-24. Operational check satisfactory.
-Remove and replace L/R door panels with new p/n P0415031-1 and -2 IAW Cessna MM.

I certify that this aircraft or engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Pertinent details of the work performed are on file at Spring City Aviation EAST under work order 8913.

James Furlong [redacted]

James Furlong

AP2619551IA

DATE

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
02-01-22 Tach 7858.8
50 hr oil change. Lights, stall horn and pitot heat checked. Tires and brakes checked and serviced. Installed new next oil change sticker. AD's checked thru 2021-26. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 7958.8 tach. AD 11-10-09 dated 06-17-11, seat tracks and pins, C/W by inspection and measurement. No defects noted. Due next at 7958.8 tach. Status sheet updated. nose strut removed and resealed and serviced with 5606 and nitrogen.. Ops and leak check good. All hardware torqued and safetied. Removed and replaced left main tube, 6.00X6. Ops and leak check good. Aircraft run up, systems ops check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8940

Signed [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
02-04-22 Tach 7762.9
Removed and replaced nose gear tire and tube with new 5.00-5 tire and tube. Reinstalled on aircraft and tire pressure brought to 30PSI. No leaks noted. Hardware reinstalled, torqued, castle nut and safetied.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no.8940.

Signed [redacted]

DATE

RE,

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 4th, 2022 TACH: 7800.6 HOBBS: 9082.7

Remove and replace alternator belt with new p/n S1597-1-37.5 IAW Cessna MM. Operational check satisfactory.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8940.

James Furlong [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
03-08-22 Tach 7806.7 TT 17806.7

Annual inspection completed on this date IAW FAR 43 app. D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges and linkages inspected and lubed. Doors, windows and seals inspected. Seats, belts, and rails inspected. Flaps, tracks and rollers inspected and lubed. Lights, pitot heat and stall horn checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. Battery due MAY-2022. AD's checked thru 2022-04. AD 04-10-14C1, crankshaft gear bolt, due at prop strike, overhaul, or sudden stop. AD 80-11-04 dared 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 7906.7 hrs tach. AD 11-10-09 dated 06-17-11, seat tracks and pins, C/W by inspection and measurements, no defects noted. Due next at 7906.7 hrs tach. AD 84-26-02 dated 01-29-85 , induction air filter, due next at 6160.9 hr tach. Removed and replaced both vacuum filters, D9-18-1 and B3-5-1. Removed and replaced overhead instrument light bulb, P/N 807. Ops check good. Pitot heat placarded inop at this time, new pitot probe on order. Aircraft run up, systems and ops check good.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8985

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 20th, 2022 TACH: 7833.9 HOBBS: 9128.2

Remove and replaced alternator with overhauled unit p/n DOFF10300B s/n A2011105 IAW Cessna MM. Operational checks satisfactory.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.

James Furlong 2619551AP

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 20th, 2022 TACH: 7833.9 HOBBS: 9128.2

Remove and replaced alternator with overhauled unit p/n DOFF10300B s/n A2011105 IAW Cessna MM. *Operational checks satisfactory.*

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order *8985.*

James Furlong [redacted] [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 31st, 2022 TACH: 7856.7 HOBBS: 9158.2

Changed oil. Removed, cut open and inspected oil filter. Check satisfactory. Installed new oil filter p/n CH48110-1. Added 6 qts. 20W50 Victory oil.

Cleaned, gapped and tested lower spark plugs. Check and serviced battery. Checked all lights and pitot heat. Checked brakes and serviced tires.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.

James Furlon [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

AW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables,
Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats,
and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel
ed and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT
replaced, BP-1020, ops check good. ELT battery next due date is JUN-2024. ADs checked
80, tail nut plates, C/W by inspection, no defects noted. Due next at 8006.1 tach. AD 11-10-09
y inspection and measurement, no defects noted, due next at 8006.1 tach or 05-23. AD 93-05-06
461.9 tach. Inspected vacuum system and replaced vacuum system and regulator filter RAD9-18-
coder, M/N SSD120-30N, S/N N28112. Removed and replaced pitot tube, P/N 0721105-42, S/N
static system leak checked and tested by Burlington Air Center, CRS#J79R390Y, this date.
00X6 6PR. Ops and leak check good. Applied ACF50 to airframe. Aircraft run up, systems ops

Pitot Tube
0721105-42
30719595
01/31/2022
38873

AUFACTURING

been inspected in accordance with Annual inspection and was determined to be in
f the work performed are on file at this agency under work order no. 9014
A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 20th, 2022 TACH: 7833.9 HOBBS: 9128.2

Remove and replaced alternator with overhauled unit p/n DOFF10300B s/n A2011105 IAW Cessna MM. *Operational checks satisfactory.*

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.

James Furlong [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 31st, 2022 TACH: 7856.7 HOBBS: 9158.2

Changed oil. Removed, cut open and inspected oil filter. Check satisfactory. Installed new oil filter p/n CH48110-1. Added 6 qts. 20W50 Victory oil. Cleaned, gapped and tested lower spark plugs. Check and serviced battery. Checked all lights and pitot heat. Checked brakes and serviced tires.

With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.

James Furlong [redacted]

SCA SPRING CITY AVIATION

Timmerman Field
Milwaukee, WI

Phone: 414-461-3222
Fax: 414-461-8207

...NATURE,
...TYPE

...irframe. 17906.1 TT

...AW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, ...ontrols hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, ...and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel ...d and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT ... replaced, BP-1020, ops check good. ELT battery next due date is JUN-2024. ADs checked ...30, tail nut plates, C/W by inspection, no defects noted. Due next at 8006.1 tach. AD 11-10-09 ...y inspection and measurement, no defects noted, due next at 8006.1 tach or 05-23. AD 93-05-06 ...461.9 tach. Inspected vacuum system and replaced vacuum system and regulator filter RAD9-18- ...coder, M/N SSD120-30N, S/N N28112. Removed and replaced pitot tube, P/N 0721105-42, S/N ...static system leak checked and tested by Burlington Air Center, CRS#J79R390Y, this date. ...00X6 6PR. Ops and leak check good. Applied ACF50 to airframe. Aircraft run up, systems ops

...been inspected in accordance with Annual inspection and was determined to be in ...of the work performed are on file at this agency under work order no. 9014

...A&P No. [redacted]

EXTRON P/N: 9863056-1
ELLIOTT P/N: 252-085-2
O:4501070107
MFG. DATE: 04/21
QTY: 1
Throttle Cable
ELLIOTT MANUFACTURING

...9. Qty / Qté 1

...document has been issued acco... ...ent a été émis selon une proce...

...Release to Service
...ur remise en service

I certify that this aircraft or engine has been inspected in accordance with [illegible] inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8985
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 20th, 2022 TACH: 7833.9 HOBBS: 9128.2

Remove and replaced alternator with overhauled unit p/n DOFF10300B s/n A2011105 IAW Cessna MM. *Operational checks satisfactory.*
With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.
James Furlong [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, Inc. 9305 W. Appleton Ave. Milwaukee, WI 53225 (414)461-3222

AIRFRAME Logbook Entry

N4978B March 31st, 2022 TACH: 7856.7 HOBBS: 9158.2

Changed oil. Removed, cut open and inspected oil filter. Check satisfactory. Installed new oil filter p/n CH48110-1. Added 6 qts. 20W50 Victory oil. Cleaned, gapped and tested lower spark plugs. Check and serviced battery. Checked all lights and pitot heat. Checked brakes and serviced tires.
With respect to the work performed on this aircraft identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order 8985.
James Furlong [redacted]

SCA SPRING CITY AVIATION

Timmerman Field
Milwaukee, WI

Phone: 414-461-3222
Fax: 414-461-8207

N4798B Airframe.
05-06-22 Tach 7906.1 17906.1 TT
Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, battery replaced, BP-1020, ops check good. ELT battery next due date is JUN-2024. ADs checked thru 2022-08. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 8006.1 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 8006.1 tach or 05-23. AD 93-05-06 dated 04-29-93, ign switch, due next at 9461.9 tach. Inspected vacuum system and replaced vacuum system and regulator filter RAD9-18-1and B3-5-1. Removed and replaced encoder, M/N SSD120-30N, S/N N28112. Removed and replaced pitot tube, P/N 0721105-42, S/N 30719595. Heat ops check good. Pitot static system leak checked and tested by Burlington Air Center, CRS#J79R390Y, this date. Removed and replaced left main tire, 6.00X6 6PR. Ops and leak check good. Applied ACF50 to airframe. Aircraft run up, systems ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 9014
Signed [redacted] A&P No. [redacted]

NATURE, TYPE

9. Qty / Qté
1
Service

DATE

ED SIGNATURE
ICATE TYPE
UMBER

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

Burlington Air Center Inc.
CRS No. J79R390Y

Phone: 262-763-9500
Fax: 262-763-2910

703 Airport Dr.
Burlington, WI 53105

N 49785

S.O. # RS-22-8880

Test Alt x 1000 Ft.	-1	0	0.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tolerance +/- Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual +/- Ft.															
Test Alt x 1000 Ft.	20	22	25	30	35	40	45	50	After Effect						
Tolerance +/- Ft.	130	140	155	180	205	230	255	260	75 Ft.		75 Ft.				
Actual +/- Ft.									Hy. 50%		Hy. 40%				

Certified that altimeter checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. B ☒

Certified that static system checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par.A. ☒

Certified that ATC transponder test and inspections required by FAR 91.413 were performed and found to comply with Part 43, App. F. ☒

Certified that automatic pressure altitude reporting system checks required by FAR 91.217 & FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. C ☒

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date 9/6/22

Signed [redacted]

ALTIMETER
Make
Model
S/N

BLIND ENCODER
Make Trasca
Model SSD-120
S/N 028112

TRANSPONDER
Make Garmin
Model ESG
S/N Unknown

1. Approving competent Authority/Country *Autorité Compétente/Pays* DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE	2. **AUTHORISED RELEASE CERTIFICATE** ***Certificat Libératoire Autorisé*** **EASA FORM 1** ***Formulaire 1 de l'EASA***	3. Form Tracking Number ***N° de repère du Formulaire*** 20 / 60358 / NKE / N / B

Organisation Name and Address :
Nom et Adresse de l'Organisme :

MANUFACTURE FRANÇAISE DES PNEUMATIQUES MICHELIN
Place des Carmes Déchaux
63000 CLERMONT-FERRAND
FRANCE ***(MICHELIN AIRCRAFT TIRE)***

5. Work Order / Contract / Invoi
Bon de commande / Contrat / Fa
0333T00017

6. Item / *Item*	7. Description */ Description*	8. Part No. / *N° de pièce*	9. Qty / *Qté*	10. Serial No. / *N° série*	11. Status / Work / *Etat / Travaux*
N/A	6.00-6/6/120	072-314-0	1	0333T00017	NEW

12. Remarks
Remarques

Norme(s): ETSOC62d, TSOC62e
ETSOC62d Approval Number: EASA.21O.945, TSOC62e LODA Approval Number: TF/sn/8/14/2008-427

'This document has been issued according to an approved computer generated signature procedure'
'Ce document a été émis selon une procédure approuvée de signature électronique'

13a Certifies that the items identified above were manufactured in conformity to :
Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :

☒ approved design data and are in a condition for safe operation
données de conception approuvées et sont en état de fonctionner en toute sécurité

☐ non-approved design data specified in block 12
données de conception non approuvées spécifiées dans la case 12

14a. ☐ Part 145.A.50 Release to Service
Approbation pour remise en service Selon Partie 145.A.50

☐ Other regulation specified in block 12
Autre réglementation précisée en case 12

Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service.
Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.

13b. Authorised Signature ***Signature autorisée*** [redacted]	13c. Approval/Authorisation Number ***Numéro d'agrément/d'autorisation*** FR.21G.0100	14b. Authorised Signature ***Signature autorisée***	14c. Certificate/Approval Ref. No ***N° du Certificat/Agrément***
13d. Name / *Nom* UTAI Wised	13e. Date (dd mmm yyyy) / *Date (jj mmm aaaa)* 01 Dec 2020	14d. Name / *Nom*	14e. Date (dd mmm yyyy)/ *Date (jj mmm aaaa)*

USER/INSTALLER RESPONSIBILITIES / ***Responsabilités de l'utilisateur/installateur***
This certificate does not automatically constitute authority to install the item(s).
Ce document ne constitue pas forcément l'autorisation d'installer l'(es) item(s)

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.
Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY **airframe**

Company	
Manufacturer	CESSNA AIRCRAFT CORP.
Model	152
Tail #	N4978B
Serial #	83736
Current Time	7906.1
Total Time	17906.1
A/C Cert. Date	1979

***79-02-06** **01/25/79** **EXHAUST PIPE CLEARANCE AND MUFFLER BAFFLE/**
Method of Compliance N/A BY S/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

80-01-06 **01/07/80** **FLAP ACTUATOR SCREW MECHANICAL STOP/**
Method of Compliance PCW.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

80-06-03 **04/21/80** **WING FLAP FOLLOW-UP CABLE CLAMP/**
Method of Compliance N/A BY S/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

***80-11-04** **06/02/80** **VERTICAL FIN AFT BRACKET NUTPLATES/**
Method of Compliance INSPECT EVERY 100HRS.
SB # **Date** 05-03-22, 7906.1 HRS TACH. **Next Due** 8006.1 HRS TACH.
Signature **Cert. #**

81-05-01 **03/02/81** **PLACARD - FUEL TANK CAPACITY/**
Method of Compliance PCW HAS PROPPER MARKINGS.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

83-22-06 **11/08/83** **AILERON HINGE PIN/**
Method of Compliance PCW HAS NEW STYLE OR SAFETIED PINS.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

86-24-07 **01/07/87** **ENGINE CONTROL ATTACHMENT MODIFICATION/**
Method of Compliance N/A BY S/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

***87-20-03 R2** **09/24/90** **SUPERSEDED BY AD 2011-10-09/**
Method of Compliance SUPERSEDED BY AD 11-10-09.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

Prepared by [redacted] Date 05-06-22

Airworthiness Directive Compliance Record

87-21-05 **10/13/87** **PLACARD-SPINS/**
Method of Compliance N/A BY NO STC.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

96-12-23 **07/31/96** **WING STALL FENCE/**
Method of Compliance N/A BY NOT INSTALLED.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

97-01-13 **02/03/97** **S51-10 TYPE OIL, FUEL AND HYDRAULIC HOSES/**
Method of Compliance N/A BY NOT INSTALLED.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

00-06-01 **05/05/00** **FUEL STRAINER ASSEMBLY STANDPIPE/**
Method of Compliance N/A BY NOT CHANGED.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

08-22-18 **12/09/08** **BRS LAUNCH TUBE AND PICK-UP COLLAR SUPPORT/**
Method of Compliance N/A BY NOT INSTALLED.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

09-10-09 **06/17/09** **REVISED BY AD 2009-10-09 R1/**
Method of Compliance REVISED BY AD 09-10-09R1.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

09-10-09 R1 **12/11/09** **REVISED BY AD 2009-10-09 R2/**
Method of Compliance P/C/W on 4/3/13 TT:6507 Next due TT: 7507
SB # **Date** **Next Due** N/A
Signature **Cert. #**

09-10-09 R2 **09/12/11** **AFM, PLACARD, RUDDER TRAVEL STOPS/**
Method of Compliance PCW HAS NEW STOP KIT INSTALLED, SK152-24A.
SB # **Date** 09-25-07, 2338.7 TACH. **Next Due** N/A
Signature **Cert. #**

***11-10-09** **06/17/11** **SEAT TRACK WEAR AND SEAT PIN ENGAGEMENT/**
Method of Compliance INSPECTEVERY 100HRS.
SB # **Date** 05-03-22, 7906.1 HRS TACH. **Next Due** 5006.1 HRS TACH.
Signature **Cert. #**

Prepared by [redacted] Date 05-06-22

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY **engine**

Company	
Manufacturer	TEXTRON LYCOMING
Model	O-235-L2C
Location	Front
Serial #	L-21970-15
TSMOH	3656.1
Total Time	9191.1

75-08-09 **08/18/77** **[R3] OIL PUMP DRIVE SHAFT/**
Method of Compliance N/A BY S/N.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

78-25-01 **12/08/78** **SLICK 40XX SERIES MAGNETOS/**
Method of Compliance N/A BY AIRCRAFT AND MAG M/N'S.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

***80-25-02 R2** **01/13/81** **ENGINE PUSHRODS/**
Method of Compliance N/A BY M/N AND RODS NOT CHANGED.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

***81-18-04 R2** **06/07/82** **SUPERSEDED BY AD 96-09-10/**
Method of Compliance SUPERSEDED BY AD 96-09-10.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

90-04-06 R1 **05/28/91** **REAR MOUNTED PROPELLER GOVERNOR AND EXTERNAL OIL LINE/**
Method of Compliance N/A BY NO GOV.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

91-08-07 **10/11/94** **FUEL PUMP DIAPHRAGM AND VENT FITTING/**
Method of Compliance N/A BY NO FUEL PUMP.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

***91-14-22** **08/19/91** **SUPERSEDED BY AD 2004-10-14/**
Method of Compliance SUPERSEDED BY AD 04-10-14.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

93-11-11 **06/21/93** **LOW AND HIGH PRESSURE DIAPHRAGM FUEL PUMPS/**
Method of Compliance N/A BY NO FUEL PUMP.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

Prepared by [redacted] Date 05-06-22

Airworthiness Directive Compliance Record

95-03-10 **01/24/96** **PUSH RODS/**
Method of Compliance N/A BY S/N.
SB #
Signature **Date** **Next Due** N/A
Cert. #

95-26-02 **01/24/96** **LOW OCTANE ENGINE DAMAGE/**
Method of Compliance N/A BY REGISTRATION NUMBER.
SB #
Signature **Date** **Next Due** N/A
Cert. #

96-09-10 **07/15/96** **ENGINE OIL PUMP IMPELLER/**
Method of Compliance PCW AT OVERHAUL.
SB #
Signature **Date** **Next Due** N/A
Cert. #

98-17-11 **10/19/98** **CRANKSHAFT CRACKS/**
Method of Compliance N/A BY NOT WORKED BY NELSON.
SB #
Signature **Date** **Next Due** N/A
Cert. #

04-10-14 **06/25/04** **CORRECTED BY AD 2004-10-14 C1/**
Method of Compliance CRRECTED BY AD 2004-10-14C1.
SB #
Signature **Date** **Next Due** N/A
Cert. #

***04-10-14 C1** **06/25/04** **CRANKSHAFT GEAR AND GEAR RETAINING BOLT/**
Method of Compliance DUE AT PROP STRIKE, OVERHAUL, OR SUDDEN STOP.
SB #
OVERHAUL, OR SUDDEN STOP.
Signature **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** *PROP STRIKE,*
Cert. #

12-03-07 **03/27/12** **CARBURETOR MIXTURE CONTROL SLEEVE/**
Method of Compliance N/A BY M/N.
SB #
Signature **Date** **Next Due** N/A
Cert. #

17-16-11 **08/15/17** **ENGINE CONNECTING ROD ASSEMBLIES INTEGRITY/**
Method of Compliance N/A BY S/N AND DATES.
SB #
Signature **Date** 10-31-17, 5465.7 TACH. **Next Due** N/A
Cert. #

Prepared by [redacted] Date 05-06-22

* Indicates possible recurring inspections **Tdata, Inc** O-235-L2C Front **Page 2 of 2**

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY **propeller**

Company	
Manufacturer	SENSENICH CORP.
Model	72CK56-0-54
Location	Front
Tail #	N4978B
Serial #	K-5255
Blade	
TSMOH	8126.5
Total Time	14690.5

66-23-02 **05/16/67** **MID-BLADE PROPELLER DECALS/**

Method of Compliance N/A BY TYPE.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

03-13-17 **07/18/03** **MAINTENANCE REPAIR BY T AND W PROPELLERS, INC./**

Method of Compliance N/A BY NOT WORKED BY T&W.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

05-14-11 **08/17/05** **MAINTENANCE AND REPAIR BY SOUTHERN CALIFORNIA PROPELLER SERVICE/**

Method of Compliance N/A BY NOT WORKED BY SCPS.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

Prepared b[redacted] Date 05-06-22

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY **appliances**

Company
Tail # N4978B

69-24-03	**11/29/69**	**PRECISION AIRMOTIVE (FORMERLY FACET, MARVEL SCHEBLER)** **MA-3 SERIES CARBURETORS**

CARBURETOR DRAIN PLUG AND CAVITY/
Method of Compliance N/A BY M/N AND S/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

72-06-05 R2	**07/03/86**	**PRECISION AIRMOTIVE (FORMERLY FACET, MARVEL SCHEBLER)** **MA-3 SERIES CARBURETORS**

CARBURETOR THROTTLE ARM ATTACHMENT/
Method of Compliance N/A BY TYPE.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

***74-18-05**	**08/28/74**	**SLICK ELECTRO, INC.** **MAGNETOS**

MAGNETO IMPULSE COUPLING/
Method of Compliance N/A BY M/N.
SB # **Date** 02-15-18, 5560.6 HRS TACH. **Next Due** N/A
Signature **Cert. #**

74-24-13	**12/05/74**	**UNITED INSTRUMENTS** **ALTIMETERS P/N NO. 5932, 5934**

ALTIMETER/
Method of Compliance N/A BY M/N OR S/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

80-06-05	**03/28/80**	**SLICK ELECTRO, INC.** **MAGNETOS**

MAGNETOS/
Method of Compliance N/A BY M/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

81-16-05	**08/06/81**	**SLICK ELECTRO, INC.** **MAGNETOS**

MAGNETO COIL/
Method of Compliance N/A BY M/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

Prepared by [redacted] Date 05/06/22

Airworthiness Directive Compliance Record

*84-26-02	01/29/85	INDUCTION AIR FILTERS PAPER AIR FILTERS

PAPER INDUCTION AIR FILTERS/
Method of Compliance REPLACE EVERY 500HRS.
SB #
Signature
Date 7524.7 HRS TACH.
Next Due 8024.7 HRS TACH.
Cert. #

86-05-02	05/28/86	UNITED INSTRUMENTS ALTIMETERS P/N NO. 5934

ALTIMETER/
Method of Compliance N/A BY S/N.
SB #
Signature
Date
Next Due N/A
Cert. #

88-02-04	02/01/88	PRECISION AIRMOTIVE (FORMERLY FACET, MARVEL SCHEBLER) MA-3 SERIES CARBURETORS

CARBURETOR MIXTURE CONTROL/
Method of Compliance N/A BY M/N.
SB #
Signature
Date
Next Due N/A
Cert. #

*93-05-06	04/29/93	ACS PRODUCTS COMPANY IGNITION SWITCHES

IGNITION SWITCHES/
Method of Compliance INSPECT AND LUBE EVERY 2000HRS.
SB #
Signature
Date 06-24-21, 7461.9 HRS TACH.
Next Due 9461.9 HRS TACH.
Cert. #

93-19-04	10/18/93	PRECISION AIRMOTIVE (FORMERLY FACET, MARVEL SCHEBLER) MA-3 SERIES CARBURETORS

CONSOLIDATED FUEL SYSTEMS FLOAT/
Method of Compliance N/A BY M/N.
SB #
Signature
Date
Next Due N/A
Cert. #

*98-01-06	02/13/98	PRECISION AIRMOTIVE (FORMERLY FACET, MARVEL SCHEBLER) MA-3 SERIES CARBURETORS

CARBURETOR 2 PIECE VENTURI/
Method of Compliance PCW HAS ONE PIECE VENTURI AND "V" MARK.
SB #
Signature
Date 02-15-18, 5560.6 HRS TACH.
Next Due N/A
Cert. #

*99-04-04	02/25/99	SLICK ELECTRO, INC. MAGNETOS

MAGNETO IMPULSE COUPLING/
Method of Compliance N/A BY ENGINE AND MAG M/N'S.
SB #
Signature
Date 02-15-18, 5560.6 HRS TACH.
Next Due N/A
Cert. #

Prepared by [redacted]
Date 05-06-22

* Indicates possible recurring inspections

Airworthiness Directive Compliance Record

11-26-07	**01/24/12**	**SLICK ELECTRO, INC.** **MAGNETOS**

MAGNETO IMPULSE COUPLING STOP PIN/
Method of Compliance N/A BY ENGINE.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

17-04-06	**04/07/17**	**UNITED INSTRUMENTS** **ALTIMETERS P/N NO. 5934**

ERRONEOUS DISPLAY DUE TO SLOW DIAPHRAGM LEAK/
Method of Compliance N/A BY DATES AND S/N.
SB # **Date** **Next Due** N/A
Signature **Cert. #**

Prepared by [redacted] Date 05-06-22

N4978B

Book #7

ASA-SA-1
$5.95

The Standard

AIRCRAFT LOG

ASA-SA-1

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

August 2004

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
2/16/12 Tach: 4016

Completed 50hr inspection this date. Tested lights and heats. Inspected and serviced battery. Inspected landing gear, brakes, and tires. Serviced tires with dry shop air. serviced NLG strut with 5606 fluid and nitrogen as needed. Fabricated and installed LH front metal engine baffle piece as needed. Installed new CO2 detector in aircraft. Removed and replaced RH MLG tire with new P/N 6.00-6 6ply tire. Cleaned and inspected bearings, races, wheel halves, and tube. Greased bearings. Safetied and torqued hardware. Serviced with dry shop air. Installed and secured assy. Complied with AD 80-11-04 dated 6/2/80 by inspection of tail nut plates for condition and security of attachment. No problems found. Next due 4116 RTT. Complied with AD11-10-09 dated 6/17/11 by inspection of seats, tracks, tangs, and pins for condition and operation. Performed measurement and dimensional inspection. No problems found. Next due 4116 RTT. Performed aircraft run up, no leaks. Systems check good.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6059.

Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

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August 2004

YEA

DAT

GRAN-AIRE, INC.

MILWAUKEE, WI

PHONE: 414-461-3222

FAX: 414-461-8207

Reg #: N4978B
Tach: 4063.4

TTAF: 14063.4

Date: 04-14-2012
ETSOH: 2665.4

Completed annual inspection this date in accordance with FAR part 43 appendix D and Cessna Service Manual. Inspected ELT. Complied with the following (recurring) AD's through IA Approach 2012-12: AD11-10-09 visual inspection of seat tracks, no defects noted this date. AD80-11-04 tail nut plates no defects noted this date.. See AD compliance records in aircraft logs. Replaced the following parts with new: L/L bulb P/N: 4596, co-pilot rudder spring on left pedal P/N: 0411265-2, Vacuum reg. filter P/N: B3-5-1. Installed spacer washer in elevator r/h outboard hinge. Aircraft approved for return to service.
I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
Pertinent details of [redacted] are on file at this agency under work order no. 6138
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
5-4-12 Tach:4069
Removed and replaced rudder middle upper hinge bracket with new. Removed and replaced rudder inner and outer bushings with new. Removed and replaced elevator end bracket with new. Performed run-up and flight check.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6147
Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
5-7-12 Tach:4070
Removed and replaced ELT battery with new, tested IAW FAR91.207, ops check good. Battery next due 5/2014
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance wi current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6147.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
7-2-12 Tac: 4106
Removed and replaced push to talk switch on pilot side yoke.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6197.
Signed [redacted] A&P No [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller or Appliance)

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TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
07-10-12 TACH 4111.9HRS.
50hr inspection completed at this time. Interior and exterior lights checked good. Battery checked. Brakes and tires checked and serviced. New tire installed on L/H main. Wheel bearing inspected and lubed.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6197 [redacted] A&P No. [redacted]
Signed [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
10-5-12 Tach:4163 TTAF:14163 SMOH:2765
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected control surfaces, cables, and pulleys. Removed and replaced L/H O/B elevator bushing with new. C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nutplates, no defects noted, next due 4263tach. Checked lights and heats. Removed and replaced R/H nav light with new, ops check good. Inspected windows and doors. Inspected landing gear, wheels, tires, and brakes. Inspected interior, seats, seat tracks, instrument panel, and wiring. C/W AD11-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 4163 Inspected ELT IAW FAR91.207, ops check good, battery next due 5/14. Removed and replaced vacuum regulator filter with new. Performed run-up.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6253
Signed [redacted] A&P No [redacted]/A

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
12-18-12 tach 4210.5hrs.
50hr inspection completed on this date. Lights, horn and heat ops checked good. Tires checked and pressures checked. Brakes checked. Tanis heater tested. Replaced landing light with Whelen PAR 36 LED bulb, ops checked good. AD 80-11-04, dated 06-02-80, tail nutplates, c/w by inspection, ok. Due next at 4310.5hrs tach. AD11-10-09, dated 06-17-11, seat tracks, c/w by inspection, ok. Due next at 4310.5hrs tach. Removed and replaced battery, P/N G-243, S/N G02739586. Ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 4327 [redacted]
Signed _____ A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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YEAR:	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
DA				

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Airframe
2/26/13 Tach: 4250 TSOH: 0hrs

Installed O/H engine Lycoming M/N 0-235-L2C S/N L-21970-15 on to this aircraft N4978B Cessna 152 S/N 83736. (see polpar grove airmotive inc log entry for O/H details) Installed with new engine shock mounts P/N J7402-1. Installed starter P/N MMU-4001. Installed alternator P/N DOFF10300B. Installed vac pump P/N 211CC. Installed O/H oil cooler P/N 8406R S/N 7246. Installed O/H carburetor P/N 10-5267 S/N MS716033. Installed new engine hoses P/N AE7010000B0125 and P/N AE7010000G0082. Installed carb air box and exhaust system. Installed and secured baffle system. Installed prop assy. Connected and rigged engine controls. Routed, connected, and secured wiring. Swapped over and secured fittings, plugs, and probes as needed. Serviced engine with 6qts Phillips 20w/50 type M oil. Torqued and safetied all hardware as needed. Installed and secured fuel primer lines. Installed new E-Z heat sump heat pad. Repaired broken wire for alternator positive terminal end. Made repairs as needed to various metal baffle pieces. Installed new baffle seal as needed. Replaced Adel clamps with new P/N MS291919WDG24 for fuel primer lines. Repaired broken wire for LH mag p-lead as needed. Replaced cabin heat duct clamp at muffler shroud with new P/N S1891-48. Installed new nut-plates P/N MS21059L3 on top fwd cowl for winter front attachment. Performed engine run up, no leaks. Adjusted idle speed and idle mixture as needed. All work done IAW maintenance manual. Completed flight test. All systems check good.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6365.

Signed [redacted] A&P No. [redacted]

YEAR:

DATE

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
5/10/13 Tach:4263 TTAF:14263
Completed annual inspection this date. Performed detailed inspection of wings, tail, cabin, fuselage, and empennage areas. Checked and lubed cables, pulleys, hinges, rod ends, and controls. Inspected doors and windows. Inspected seats and seat belts. Inspected interior and upholstery items. Inspected instrument panel and instruments. Checked lights and heats. Inspected plumbing and wiring. Inspected landing gear, brakes, and tires. Greased NLG. Inspected shimmy damper. Replaced vac reg filter with new P/N B3-5-12. Next due 4363. Inspected instrument air filter. Tested and inspected ELT IAW FAR 91.207 Para D. Ops check good. Battery due 5/2014. Performed general condition inspection of aircraft and aircraft systems. Complied with AD 80-11-04 dated 6/2/80 by inspection of tail nut plates for condition, security of attachment, and cracks. No problems found. Next due 4363 RTT. Complied with Ad 11-10-09 dated 6/17/11 by inspection of seats, tracks, tangs, and pins for condition and operation IAW AD instructions. No problems found. Next due 4363 RTT. All work done IAW FAR 43 appendix D and Cessna service manual. Performed aircraft run up, no leaks. Systems check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6437
Signed [redacted] A&P No. [redacted]

August 2004

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller or Appliance)

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Electronic Tracking Number

Form Approved
OMB No. 2120-0020
2/28/2011

HR

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FI	TOTAL	Description of Inspections, Tests, Repairs and Alterations	Number of Technici

June 27, 2013. Cessna N4978B Tach 4267.5 Stripped and repainted aircraft with DuPont Imron. Colors: Vestal White 45414 EU, Dark Red 5321 EU, Gray 57704 EU. Controls were removed, Balanced and reinstalled after painting. Install following new parts: top and bottom of rudder, elevator and horizental stab tips, upper main gear fairings [redacted]

YEA

DATI

1-800-443-4490

SKYCOM AVIONICS, INC.

N # 4978B

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20 / 70	25	30 / 70	30 / 70	35	/ 70	40	60	80 / 80	90	100	/ 90	110
ACTUAL / FRICTION	5	5	+5	+5 / 30	+5	+5 / 40	+5 / 40	+5	/ 40	+5	+20	+20 / 50	30	25	/ 50	0

TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50
TOL. ± FT.	120	130 / 100	140	155 / 120	180 / 140	205 / 160	230 / 180	255	280 / 250
ACTUAL / FRICTION	+20	+30 / 70	X	X	X	X	X	X	X

BARO. SCALE ERROR (TOL. ± 25 FT.)

28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
1740	1340	870	390	0	+510	+890	+975

HYSTERESIS (TOL. ± 75 FT.): 50% MAX. 20 | 40% MAX. 20

AFTER EFFECT (TOL. 30 FT.): OK

CASE LEAK: OK

ALTIMETER MAKE: United Instruments
MODEL 5934P-1
S/N P5824

BLIND ENCODER MAKE: Trans Cal
MODEL SSD120-30A
S/N A65223

TRANSPONDER MAKE: Garmin
MODEL GTX320A
S/N 83811967

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20,000 FT. TO COMPLY WITH FAR 91.411
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 8-13-13 Tach/~~Hobb~~: 4306.9 W.O. 508403 Signed [redacted]

WAUKESHA COUNTY AIRPORT / CRITES FIELD WAUKESHA, WI 53188 FAA NO. NC5D062N

HR

For FAA Use Only

Form Approved OMB No. 2120-0020 2/28/2011

Electronic Tracking Number

MAJOR REPAIR AND ALTERATION

Airframe, Power

TIMMERMAN FIELD

GRAN-AIRE, INC.

PHONE: 414-461-3222

Tach:4312

d lights, heats, tires, and brakes. C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nut plates for cracks or damage, none next due 4412. C/W AD11-10-09 by visual inspection of seats and seat tracks, no defects noted, next due 4412. Performed run-up ak check.

respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with ent Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this ncy under work order no 6508.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
10-23-13 Tach 4359.1

Removed and replaced directional gyro. Installed P/N 1U262-001-13 S/N 58158D. Ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number [redacted]
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
10/25/13 Tach:4360 TTAF:14360

Completed annual inspection this date. Performed detailed inspection of wings, tail, cabin, fuselage, and empennage areas. Checked and lubed cables, pulleys, hinges, rod ends, and controls. Inspected doors and windows. Inspected seats and seat belts. Inspected interior and upholstery items. Inspected instrument panel and instruments. Checked lights and heats. Inspected plumbing and wiring. Inspected landing gear, brakes, and tires. Greased NLG. Inspected shimmy damper. Replaced vac reg filter with new P/N B3-5-12. Next due 4460. Replaced instrument air filter with new P/N RAD9-18-1, next due 4610 RTT. Tested and inspected ELT IAW FAR 91.207 Para D. Ops check good. Battery due 5/2014. Performed general condition inspection of aircraft and aircraft systems. Complied with AD 80-11-04 dated 6/2/80 by inspection of tail nut plates for condition, security of attachment, and cracks. No problems found. Next due 4460 RTT. Complied with Ad 11-10-09 dated 6/17/11 by inspection of seats, tracks, tangs, and pins for condition and operation IAW AD instructions. No problems found. Next due 4460 RTT. All work done IAW FAR 43 appendix D and Cessna service manual. Replaced pilot door latch springs with new P/N 0417016-1 and -2. Performed weld repair as needed on copilot seat back rest frame assy. Fabricated and installed aluminum patch and support piece repair for cabin heat air-box neck area where ducting attaches. Installed with rivets and sealed with B1/2 sealer. Removed and replaced RH MLG tire with new P/N 6.00-6 6ply tire. Cleaned and inspected bearings, races, wheel halves, and tube. Greased bearings. Installed and secured assy. Torqued and safetied hardware. Serviced tire with dry shop air, no leaks. Performed aircraft run up, no leaks. Systems check good.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6568

Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powe... Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

6 M/N 3110K S/N
ittings. Installed

in accordance with
n file at this

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, Airworthiness Approval Tag

1. Approving Civil Aviation Authority/Country: FAA/United states	2.		3. Form Tracking Number: I10448
4. Organization Name & Address: Milwaukee Avionics and Instruments		6130 South Jasper Avenue Milwaukee, WI 53207 414.769.0602	5. Work Order/Contract/ Invoice/Number: I10448

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Directional Gyro	31101C	1	27417	Repair

12. Remarks:

repaired on WO# I10448
Customer PO# 140213

N78B 2/28/14 Tach: 4402

13.a Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in block 12.

13.b Authorized Signature:	13.c Approval/Authorization No.:
13.d Name (Typed or Printed):	13.e Date (dd-mmm-yyyy):

It is important to understand that the existence of this document alone does not automatically authorize installation. In accordance with the national regulations of an airworthiness authority different than the authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13.a and 14.a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

User/

14.a ☒ 14 CFR 43.9 Return to service ☐ Other regulations specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14.b Authorized Signature: [redacted]	14.c Approval/Certificate No.: M7IR960J
14.d Name (Typed or Printed): Jeffrey Majchrzak	14.e Date (dd-mmm-yyyy): 26 Feb 2014

ponsibilities

uthority to install the aircraft engine/propeller/article. Where the user/installer performs work in
ority of the country specified in Block 1, it is essential that the user/installer ensures that his/her
e country specified in Block 1. Statements in Blocks 13.a and 14.a do not constitute
ssued in accordance with the national regulations by the user/installer before the aircraft may

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Airframe
02-28-14 Tach: 4402
Removed Directional Gyro P/N C661075-0104 M/N IU262-001-13 S/N 58158D and installed Unit P/N C661075-0106 M/N 3110K S/N 27417 after repair by Milwaukee Avionics & Instruments (see 8130 attached). Connected and secured unit, lines, and fittings. Installed new flap indicator P/N 0460219-1. Performed aircraft run up, systems check good.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6635.

Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
04-02-14 Tach 4418.6
Replaced both left and right brake discs and pads. (RA164-30615-1 disc & RA66-109 pads) AD 80-11-04 dated 06-20-80, tail nut plates, C/W by inspection, OK, due next at 4518.6hrs tach. AD 11-10-09 dated 06-17-11, seat tracks, C/W by inspection and measurement, OK, due next at 4518hrs tach. Brakes run in, ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6635.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
05-30-14 Tach 4439.0
Removed and replaced ELT battery, P/N BP1020. ELT inspected and tested IAW FAR 91.207 par. d. Ops checked good. New battery date is AUG-2016.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6714.
Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

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August 2004

TIMMERMAN FIELD

GRAN-AIRE, INC.

PHONE: 414-461-3222

N4978B

6-3-14 Tach:4439

Removed and replaced L/H flap with serviceable unit. Performed flight test.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6744

Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

N4978B
06-24-14 Tach 4454 14454 TT
Annual inspection completed on this date IAW FAR 43 a
hinges and linkages inspected and lubed. Pulleys, cables
Doors, windows, and seals inspected. Seats, belts and rai
inspected. Landing gear inspected and lubed. Tires and
inspected IAW FAR 91.207 par d. ops checked good. B
inspection, no defects noted. Due next at 4554hrs tach.
measurement, no defects noted. Due next at 4554hrs tach
dated 09-24-90, ign. switch, due at 5481hrs tach. Aircraf
I certify that this aircraft or engine has been inspected in
condition. Pertinent details of the work performed are on
Signed [redacted]

1. UNITED STATES

2. **FAA FORM 8130-3**
AIRWORTHINESS APPROVAL TAG
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

3. SYSTEM TRACKING REF. NO.
D06414

4. ORGANIZATION
CESSNA AIRCRAFT COMPANY
CESSNA PARTS DISTRIBUTION DEPT.702
5800 E. PAWNEE, WICHITA, KS 67218

5. WORK ORDER, CONTRACT, OR INVOICE NUMBER
D7010938

6. ITEM	7. DESCRIPTION	8. PART NUMBER	9. ELIGIBILITY *	10. QTY.	11. SERIAL/BATCH NO.	12. STATUS/WORK
0004	SPRING	1552010 1	VARIOUS	1	N/A	NEW

13. REMARKS
FOR IDENTIFICATION ONLY

LIMITED LIFE PARTS MUST BE ACCOMPANIED BY MAINTENANCE HISTORY INCLUDING TOTAL TIME/TOTAL CYCLES/TIME SINCE NEW.

14. NEW [X] NEWLY OVERHAULED [ ]
Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.
NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

19. Return to Service in Accordance with FAR 43.9
Certifies that the work specified in block 13 (or attached) was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

[redacted]

16. FAA AUTHORIZATION NO. [redacted]

20. AUTHORIZED SIGNATURE

21. CERTIFICATE NO.

17. NAME (TYPED OR PRINTED)
MICHELLE SUTHERLAND

18. DATE
01/29/97

22. NAME (TYPED OR PRINTED)

23. DATE

FAA Form 8130-3 (11-93)
* (OPTIONAL) INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA.

August 2004

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

00 HR

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
06-24-14 Tach 4454 14454 TT
Annual inspection completed on this date IAW FAR 43 appendix D. Wings, fuselage, and tail given a detailed inspection. Controls, hinges and linkages inspected and lubed. Pulleys, cables and rod ends inspected and lubed. Flaps, tracks and rollers inspected and lubed. Doors, windows, and seals inspected. Seats, belts and rails inspected. Instruments and panel inspected. Electrical and plumbing inspected. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Lights, stall horn, and heat ops checked. ELT inspected IAW FAR 91.207 par d. ops checked good. Battery due AUG-16. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 4554hrs tach. AD 11-10-09 dated 06-17-11, seat rails and pin, C/W by inspection and measurement, no defects noted. Due next at 4554hrs tach. AD 84-26-02 dated 01-29-85, air filter, due at 4812hrs tach. AD 93-05-006 dated 09-24-90, ign. switch, due at 5481hrs tach. Aircraft run up, systems checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6714
Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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TIMMERMAN FIELD

GRAN-AIRE, INC.

PHONE: 414-461-3222

N4978B
8-11-14 Tach:4505
C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nutplates for damage, none noted, next due 4605. C/W AD1-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 4605. Removed and replaced L+R/H MLG tires with new, cleaned and inspected wheel halves and bearings, greased bearings.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6754
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
09-26-14 TACH 4542.5
Removed and right mag and test coils and condencer. Checked ok. Removed and replaced points, P/N M3081. Reassembled mag and timed. Reinstalled mag to engine and timed. Cleaned, gapped, and tested plugs. Started engine cold and hot. Ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6786.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B ariframe
10-23-14 Tach 4551.4 301.4 SMOH 5836.4 TT E 1455 TTAF
Annual inspection completed on this date IAW FAR 43 app. D. Wings, tail, and fuselage given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges, and linkages inspected and lubed. Flaps, tracks, and rollers inspected and lubed. Doors, windows and seals inspected. Seat belts and rails inspected. Lights, stall horn and pitot heat ops checked. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Battery inspected and serviced. ELT inspected IAW FAR 91.207 par.d, ops checked good. Battery due Aug-16. Electrical and plumbing inspected. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 4651hrs tach. AD 11-10-09 dated 06-17-11, seat track and pins, C/W by inspection and measurement, OK, due next at 4651hrs tach. AD's checked thru 2014-20. Removed and replaced vacuum regulator filter. Aircraft run up, systems checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6786
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
02-13-15 Tach 4602.7
Removed and replaced right MLG wheel bearing and race, outer wheel half. P/N LM29749-20629 & LM29710-20629. Also installed new felt retainer. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 4702.7hrs tach. AD 11-10-09 dated 06-17-11, seat tracks and pins, C/W by inspection and measurement, OK, due next at 4702.7hrs tach. Lights, heat and horn checked. Tires and brakes checked and serviced. Aircraft fun up, systems ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6905.
Signed [redacted] A&P No. [redacted]

00 HR

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
02-20-2015 Tach: 4603.0

Both oil cooler hoses removed and replaced with new hoses P/N: 35-6-0370. Aircraft ground run and leak checked. No discrepancies found.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6905

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
04-06-15 Tach 4640.4

Checked mag timing due to hard to start. Found right mag 5 deg. early. Retimed right mag. Cleaned gapped and tested bottom plugs. Tested and inspected ign. leads. Installed new screw for #2 cyl. valve cover. Tightened and re-safety oil fill tube. Removed right mag and installed serviceable one. Ran up engine, ops checked good.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6542.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
04-24-15 Tach 4650 14650 TT
Annual inspection completed on this date IAW FAR 43 appendix D. Wings, fuselage, and tail given a detailed inspection. Controls, hinges and linkages inspected and lubed. Pulleys, cables and rod ends inspected and lubed. Flaps, tracks and rollers inspected and lubed. Doors, windows, and seals inspected. Seats, belts and rails inspected. Instruments and panel inspected. Electrical and plumbing inspected. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Lights, stall horn, and heat ops checked. ELT inspected IAW FAR 91.207 par d. ops checked good. Battery due AUG-16. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 4750hrs tach. AD 11-10-09 dated 06-17-11, seat rails and pin, C/W by inspection and measurement, no defects noted. Due next at 4750hrs tach. AD 84-26-02 dated 01-29-85, air filter, due at 4812hrs tach. AD 93-05-06 dated 09-24-90, ign. switch, due at 5481hrs tach. Install doubler for co-pilots door by top hinge. Removed and replaced both vacuum regulator and system filters, B3-5-1 and RAD9-18-1. Aircraft run up, systems checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 6942
Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

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TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
06-09-15 Tach 4688.3
Removed and replaced right main tire and tube. Wheel reinstalled and saftied. Ops and leak check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of work performed on file under work order number 6985
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
06-25-2015 Tach: 4700

All lights, pitot heat, and stall horn inspected and tested. No discrepancies noted. Brakes and tires inspected. Tires inflated to Cessna service manual specifications. Battery inspected and serviced. No discrepancies found. R/H Nav lamp removed and replaced with new P/N: RA7512-24. Ops check good. Aircraft ground run. No discrepancies found.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 6985.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B

8-14-15 Tach:4750 TTAF:14,750 SMOH:268

Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected control surfaces, cables, and pulleys. C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nutplates, no defects noted, next due 4850 tach. Checked lights and heats. Inspected windows and doors. Inspected landing gear, wheels, tires, and brakes. Removed and replaced L/H O/B brake lining with new. Inspected interior, seats, seat tracks, instrument panel, and wiring. C/W AD11-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 4850. Inspected ELT IAW FAR91.207, ops check good, battery next due 8/16. Performed run-up.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7035

Signed [redacted] A&P No. [redacted]

00 HR

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

YEAR: ____

DATE

1-800-443-4490

SKYCOM AVIONICS, INC.

N # 4978B

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20 / 70	25	30 / 70	30 / 70	35	/ 70	40	60	80 / 80	90	100	/ 90	110
ACTUAL / FRICTION	0	-5	-5	-10 / 30	-10	0 / 40	0 / 40	-5	/ 40	-5	-30	-40 / 40	-40	-50	/ 40	-30

TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50
TOL. ± FT.	120	130 / 100	140	155 / 120	180 / 140	205 / 160	230 / 180	255	280 / 250
ACTUAL / FRICTION	-5	+10 / 50	X	X	X	X	X	X	X

BARO. SCALE ERROR (TOL. ± 25 FT.)							
28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
—	—	—	—		+	+	+
1720	1350	1060	400	0	540	880	970

HYSTERESIS (TOL. ± 75 FT.):	50% MAX.		40% MAX.	

AFTER EFFECT (TOL. 30 FT.): ok

CASE LEAK: ok

ALTIMETER MAKE: United instruments

MODEL 5934P-1

S/N P5824

BLIND ENCODER MAKE: Transcal industries

MODEL SSD120-30A

S/N A65223

TRANSPONDER MAKE: Garmin

MODEL GTX 320A

S/N 83811967

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20,000 FT. TO COMPLY WITH FAR 91.411

CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.

CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.

CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.

The aircraft and/or component identified above was repaired and inspected in accordance [redacted] eral Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agenc[redacted] wing work number.

Date: 8/26/15 Tach/Hobb: 5045.9 W.O. 50417 Signed [redacted]

WAUKESHA COUNTY AIRPORT / CRITES FIELD WAUKESHA, WI 53188 FAA NO. NC5D062N

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
09/03/2015 Tach: 4756.3
NLG removed from aircraft. Steering collar shimmed as needed. All torque link hardware, bushings, and spacers removed and replaced with new. NLG reassembled and installed on aircraft. Aircraft high speed taxi tested. No discrepancies noted.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7081.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Airframe
10-29-15 Tach: 4800
Inspected lights and heats. Inspected tires and brakes. Inspected and serviced aircraft battery. Performed general condition inspection of aircraft and systems. Serviced NLG strut with nitrogen as needed. Complied with AD 11-10-09 dated 6/17/11 by inspection of seats, tracks, tangs and pins IAW AD instructions. No problems found. Next due 4900 RTT. Complied with AD 80-11-04 dated 6/2/80 by inspection of tail nut plates for condition and security of attachment IAW AD instructions. No problems found. Next due 4900 RTT. Performed aircraft run up, no leaks. Systems check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7094.
Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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DAT

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe

1/18/2016 Tach: 4839.5

L/H wheel removed and disassembled. Removed and replaced tire tube with new Goodyear tube P/N: G15/6.00-6 TR-20. Bearings and wheel halves cleaned and inspected. No discrepancies noted. Bearings repacked and wheel reassembled. Wheel reinstalled on aircraft. Mixture control cable assembly removed and replaced with new assembly McFarlane P/N: MC600-72. New cable rigged as needed. Ops check good. No discrepancies noted.

With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7176 .

Signed [redacted] A&P No. [redacted]

1. Approving Civil Aviation Authority/Country:
FAA/United States

2.
AUTHORIZED R
FAA Form 8130-3, AI

4. Oranization Name and Address:
Textron Aviation I
Textron Aviati
1 Cessna Blvd, Wich

6.Item:	7. Description:	8. Part Number:
41	HORN ASSY	05136(

12. Remarks:
AUTHORIZE

13a. Certifies the items identifed above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

13b. Authorized Signature:
[redacted]

13c.

13d. Name (Typed or Printed):
TERRY WEEKS

13e.

It is important to understand that the existence of this document alone doe

Where the user installer performs work in accordance with the national re
in Block 1, it is essential that the user installer ensures that his/her airwort
country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certificati
accordance with the national regulations by the user/installer before the a

FAA Form 8130-3 (02-14)

To

1. Appr
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FAA/

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6.Item:
10

12. Remarks

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[redacted]

13d. Name (Typed
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It is important to un

Where the user/insta
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country specified in

Statements in Blocks
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FAA Form 8130-3 (02

AUTHORIZED RELEASE CERTIFIC

FAA Form 8130-3, AIRWORTHINESS APPROVAL TA

53029 (NE5R064N) 2/12/16 VAG

8. Part Number	9. Quantity	10. Serial Number:
211CC	1	164885

n FAA approved process specification #203-6-1009 Revision 8, Dat
, carried out in accordance with EASA Part 145 and with respect to
145.4802"

actured in conformity to:

or safe operation.

12.

14a. [X] 14 CFR 43.9 Return t

Certifies that unless otherwise s
Block 11 and described in Bloc
14, Code of Federal Regulation

August 2004

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

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-6 TR-20. Bearings and
el reinstalled on aircraft.
ble rigged as needed. Ops

repaired in accordance with
air are on file at this

Tach: 4849 2/12/16 N4978D

1. Approving Civil Aviation Authority/Country: FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Num.: 4939466

4. Oranization Name and Address:
Textron Aviation Inc. (PC4)
Textron Aviation Inc.
1 Cessna Blvd, Wichita, KS 67215

5. Work Order/Contract/Invoice Number: 2150801

6.Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
10	ROD END	S1819-3	1	N/A	New

12. Remarks: AIRWORTHINESS APPROVAL - PARTS.
PO#: 160210

13a. Certifies the items identifed above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to service ☐ Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: [redacted]

13c. Approval/Authorization No.: [redacted]

14b. Authorized Signature

14c. Approval/Certificate No.:

13d. Name (Typed or Printed): DANIEL P. BEAT

13e. Date (dd/mmm/yyyy): 10/Feb/2016

14d. Name (Typed or Printed)

14e. Date (dd/mmm/yyyy)

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14) NSN: 0052-00-012-9005

1. Approving Civil Aviation Authority/Country: FAA/United States

2. AUTHORIZED R
FAA Form 8130-3, AI

4. Oranization Name and Address: Textron Aviation I
Textron Aviatic
1 Cessna Blvd, Wichi

6.Item:	7. Description:	8. Part Number:
41	HORN ASSY	051360

12. Remarks: AUTHORIZED

13a. Certifies the items identifed above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

13b. Authorized Signature: [redacted]

13c. A

13d. Name (Typed or Printed): TERRY WEEKS

13e. D

User/I

It is important to understand that the existence of this document alone does no

Where the user/installer performs work in accordance with the national regula in Block 1, it is essential that the user/installer ensures that his/her airworthine country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. I accordance with the national regulations by the user/installer before the aircra

FAA Form 8130-3 (02-14)

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MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

TIMMERMAN FIELD
MILWAUKEE, WI

N4978B airframe
02-12-16 Tach 4849.3 149
Annual inspection comp
hinges and linka
Doors, wind
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inspection, no
measurement, n
dated 09-24-90,
pump, P/N 211CW
left fuel qty cover p
I certify that this airc
condition. Pertinent d
Signed [redacted]

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving Civil Aviation Authority/Country: FAA/United States	2.	3. Form Tracking Number: 5208461	
4. Oranization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215		5. Work Order/Contract/Invoice Number: 2493283	11. Status/Work: New
6.Item: 41	7. Description: HORN ASSY	8. Part Number: 0513602-1	9. Quantity: 1
10. Serial Number: N/A			

AUTHORIZED RELEASE DOCUMENT

PO#: 160808

12. Remarks:

14. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14a. Approval/Certificate No.:

14b. Authorized Signature

14c. Date (dd/mmm/yyyy)

14d. Name (Typed or Printed)

13a. Certifies the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

13c. Approval/Authorization No.: [redacted]

13b. Authorized Signature: [redacted]

13d. Name (Typed or Printed): TERRY WEEKS

13e. Date (dd/mmm/yyyy): 25/Nov/2016

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appli

Controls,
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August 2004

Electronic Tracking Number

A Use Only

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TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
02-12-16 Tach 4849.3 14849.3 TT
Annual inspection completed on this date IAW FAR 43 appendix D. Wings, fuselage, and tail given a detailed inspection. Controls, hinges and linkages inspected and lubed. Pulleys, cables and rod ends inspected and lubed. Flaps, tracks and rollers inspected and lubed. Doors, windows, and seals inspected. Seats, belts and rails inspected. Instruments and panel inspected. Electrical and plumbing inspected. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Lights, stall horn, and heat ops checked. ELT inspected IAW FAR 91.207 par d. ops checked good. Battery due AUG-16. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 4949.3 hrs tach. AD 11-10-09 dated 06-17-11, seat rails and pin, C/W by inspection and measurement, no defects noted. Due next at 4949.3 hrs tach. AD 84-26-02 dated 01-29-85, air filter, due at 5300 hrs tach. AD 93-05-06 dated 09-24-90, ign. switch, due at 5481hrs tach. Removed and replaced vacuum regulator filter, B3-5-1. Removed and replaced vacuum pump, P/N 211CW, S/N 164885. Removed and replaced right aileron rod ends both fore and aft, P/N w1819-3. Removed and replaced left fuel qty cover plate gasket, P/N MC0523619-1. Aircraft run up, systems checked good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7170
Signed [redacted] A&P No. [redacted] IA

MAJOR REPAIR AND ALTERATION

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

00 HR

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
04-27-2016 Tach: 4905.5

All lights, pitot heat, and stall horn inspected and tested. No discrepancies noted. Brakes and tires inspected. Tires inflated to Cessna service manual specifications. Battery inspected and serviced. No discrepancies found. Aircraft ground run. No discrepancies found. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7230.

Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
04-27-2016 Tach: 4905.5

All lights, pitot heat, and stall horn inspected and tested. No discrepancies noted. Brakes and tires inspected. Tires inflated to Cessna service manual specifications. Battery inspected and serviced. No discrepancies found. Aircraft ground run. No discrepancies found. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7230.

Signed [redacted] A&P No [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

August 2004

Owner

4. Typ

Repair

POWERPLANT

Signed [redacted]

I certify that this aircraft or engine has been inspecte
airworthy condition. Pertinent details of the work pe

Systems check good.

Installed and secured assy. Torqued and safetied harc

Replaced NLG tire with new P/N 5.00-5 6ply tire. Cl

Next due 5048RTT. Adjusted vac system pressure IA

regulator assy valve with new P/N RA2H3-12 S/N 09

Completed annual inspection this date IAW FAR 43 ap
cabin, fuselage, and empennage areas. Checked and lu
Inspected seats and seat belts. Inspected interior and u
heats. Inspected plumbing and wiring. Inspected landi
instrument air filter and vac reg filter. Inspected and s
check good. Battery due 8/2016. Performed general c
dated 6/2/80 by inspection of tail nut plates for condit
Complied with AD 11-10-09 dated 6/17/11 by inspect
No problems found. Next due 5048 RTT. Replaced in
regulator assy valve with new P/N RA2H3-12 S/N 09
Next due 5048RTT. Adjusted vac system pressure IA

N4978B Airframe
6/24/16 Tach:4948 TTAF:14948

TIMMERMAN FIELD
MILWAUKEE, WI

AUTHORIZED RELEASE CERTIFICATE

GRAN-AIRE, INC.
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
6/24/16 Tach:4948 TTAF:14948
Completed annual inspection this date IAW FAR 43 appendix D and maintenance manual. Performed detailed inspection of wings, tail, cabin, fuselage, and empennage areas. Checked and lubed cables, pulleys, hinges, rod ends, and controls. Inspected doors and windows. Inspected seats and seat belts. Inspected interior and upholstery items. Inspected instrument panel and instruments. Checked lights and heats. Inspected plumbing and wiring. Inspected landing gear, brakes, and tires. Greased NLG. Inspected shimmy damper. Inspected instrument air filter and vac reg filter. Inspected and serviced aircraft battery. Tested and inspected ELT IAW FAR 91.207 Para D. Ops check good. Battery due 8/2016. Performed general condition inspection of aircraft and aircraft systems. Complied with AD 80-11-04 dated 6/2/80 by inspection of tail nut plates for condition, security of attachment, and cracks. No problems found. Next due 5048 RTT. Complied with Ad 11-10-09 dated 6/17/11 by inspection of seats, tracks, tangs, and pins for condition and operation IAW AD instructions. No problems found. Next due 5048 RTT. Replaced instrument air filter assy with new P/N RAD-9-18-1, next due 5198 RTT. Replaced vac regulator assy valve with new P/N RA2H3-12 S/N 09816-07. Connected and secured plumbing. Installed new vac reg filter P/N B3-5-1. Next due 5048RTT. Adjusted vac system pressure IAW maintenance manual. Replaced Lh MLG tire with new P/N 6.00-6 6ply tire. Replaced NLG tire with new P/N 5.00-5 6ply tire. Cleaned and inspected bearings, races, wheel halves, and tubes. Greased bearings. Installed and secured assy. Torqued and safetied hardware. Serviced tires with dry shop air, no leaks. Performed aircraft run up, no leaks. Systems check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7251
Signed [redacted] A&P No. [redacted] IA

10 HR

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Form Approved OMB No. 2120-0020 2/28/2011
Electronic Tracking Number

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX:414-461-8207

N4978B Airframe
08-11-16 Tach: 4994
Replaced aircraft battery with new P/N Gill G-241 S/N G02351547. Performed initial servicing and charging. Installed and secured assy.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7328.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B ariframe
11-22-16 Tach 5049.6 6134.6 TT
Annual inspection completed on this date IAW FAR 43 app. D. Wings, tail, and fuselage given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges, and linkages inspected and lubed. Flaps, tracks, and rollers inspected and lubed. Doors, windows and seals inspected. Seat belts and rails inspected. Lights, stall horn and pitot heat ops checked. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Battery inspected and serviced. ELT inspected IAW FAR 91.207 par.d, ops checked good. ELT battery replaced, BP1020. Battery due FEB 2019. Electrical and plumbing inspected. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 5149.6 hrs tach. AD 11-10-09 dated 06-17-11, seat track and pins, C/W by inspection and measurement, OK, due next at 5149.6 hrs tach. AD's checked thru 2016-22. Removed and replaced vacuum regulator filter. Aircraft run up, systems checked good.
I certify that this aircraft or engine has been inspected in accordance with Anaval inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7404
Signed [redacted] A&P No. [redacted] IA

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
2-6-17 Hobbs:5486.0
Removed and replaced stall warning horn. PN 0513602-1 Ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7464.
Signed [redacted] A&P No. [redacted]

100 HR

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority / Country: FAA/UNITED STATES

2.

3. Form Tracking Number: 3683969

4. Organization Name and Address: Cessna Aircraft Company (PC4)
Cessna Parts Distribution Dept. 702
5800 E Pawnee, Wichita, KS 67218

5. Work Order/Contract/Invoice Number: 1241116

7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
CONTACTOR	S2443-2	N/A	1	N/A	New

13. Remarks:
AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.

PO# 121201

14. Certifies the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in block 13
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature: [redacted]

16. Approval/Authorization No.: [redacted]

20. Authorized Signature:

21. Approval/Certificate No.: [redacted]

17. Name (Typed or Printed): KEITH THOMPSON

18. Date (m/d/y): DEC/04/2012

22. Name (Typed or Printed):

23. Date (m/d/y):

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) * Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

PN: S2443-2
QTY: 1
U/M: EA

[redacted]

s and Alterations
Certificate Number of Technician or Repair

HONE: 414-461-3222
FAX: 414-461-8207

t due Tach 5203. Complied with AD 11-
3.
ected and/or repaired in accordance with
ils of the repair are on file at this

ONE: 414-461-3222
FAX: 414-461-8207

ted good.
ted and/or repaired in accordance with
rtinent details of the repair are on file at this

A&P No. [redacted]

YEAR: ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe.
3-7-17 Tach:5103.0
Complied with AD 80-11-04 tail nut plates, performed visual inspections, no problems found next due Tach 5203. Complied with AD 11-10-09 seat track inspections, performed visual inspections, no problems found next due Tach 5203.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7468.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
04/10/2017 Tach 5136.0 Hobbs 5560.8
Installed new starter solenoid/ contactor P/N S2443-2 per service instructions. Performed ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7464.
Signed [redacted] A&P No. [redacted]

840 W. BROCKTON AVENUE
REDLANDS, CA 92374

YEAR

DATE

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe
04-14-17 Tach 5143
Replaced RH MLG tire with new P/N 6.00-6 6ply tire. Cleaned and inspected bearings, races, wheel halves, and tube. Greased bearings. Installed and secured assy. No leaks. Aircraft run up, systems checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7464.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
4-24-17 Tach:5168 TTAF:15168 SMOH:918
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected control surfaces, cables, and pulleys. C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nutplates, no defects noted, next due 5268 tach. Checked lights and heats. Inspected windows and doors. Inspected landing gear, wheels, tires, and brakes. Inspected interior, seats, seat tracks, instrument panel, and wiring. C/W AD11-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 5268. Inspected ELT IAW FAR91.207, ops check good, battery next due 2/19. Removed and replaced vacuum regulator filter with new. Performed run-up.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7524
Signed [redacted] A&P No. [redacted] IA

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
05/30/2017 Tach 5207.3 Hobbs 5655.5
Installed new LH MLG inner tube Goodyear P/N 302-246-401 per service instructions. Wheel halves reassembled to proper torque, reinstalled on aircraft. Performed ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7551.
Signed [redacted] A&P No. [redacted]

NSN: 0052-00-012-9005

Timmerman Field
Milwaukee, WI

GRAN-AIRE, INC.

Phone: 414-461-3222
Fax: 414-461-8207

N4978B
6-21-17 Tach:5266 TTAF:15,266 SMOH:1016
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected control surfaces, cables, and pulleys. C/W AD80-11-04 dated 6-2-80 by visual inspection of tail nutplates, no defects noted, next due 5466 tach. Checked lights and heats. Inspected windows and doors. Inspected landing gear, wheels, tires, and brakes. Inspected interior, seats, seat tracks, instrument panel, and wiring. C/W AD11-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due . Inspected ELT IAW FAR91.207, ops check good, battery next due 2/19. Performed run-up.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7579
Signed [redacted] A&P No. [redacted] IA

Timmerman Field
Milwaukee, WI

SCA SPRING CITY AVIATION

Phone: 414-461-3222
Fax: 414-461-8207

N4978B Airframe.
7-25-17 Tach:5325 TTAF 15325
Complied with AD 80-11-04 tail nut plates, performed visual inspections, no problems found next due Tach 5425. Complied with AD 11-10-09 seat track inspections, performed visual inspections, no problems found next due Tach 5425. Replaced RH MLG outboard brake pad with new. Performed ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7603
Signed [redacted] A&P No. [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

TIMMERMAN FIELD
MILWAUKEE, WI

GRAN-AIRE, INC.

PHONE. 414-461-3222
FAX: 414-461-8207

N4978B

6-21-17 Tach:5366 TTAF:15,366 SMOH:1018

Completed annual inspection this date. Checked compressions 76-75-78-75. Changed oil and filter, added 6 qts 15W-50 Aeroshell oil. Cut open filter and inspected. Removed and replaced oil filler tube with new. Cleaned, gapped, tested, and inspected spark plugs. Cleaned and inspected induction air filter. Cleaned and inspected fuel strainer. Inspected prop, hub, and spinner. Dressed and painted prop. Inspected engine and accessories for condition. Performed run-up and leak check.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7633

Signed [redacted] A&P No. [redacted] IA

1-800-443-4490 **SKYCOM AVIONICS, INC.** N # 4978B

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20 / 70	25	30 / 70	30 / 70	35	70	40	60	80 / 80	90	100	90	110
ACTUAL / FRICTION	-10	0	-5	0 / 25	0	+10 / 25	+10 / 25	+10	25	0	-20	~~-20~~ / 25	-40	-40	25	0

TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50
TOL. ± FT.	120	130 / 100	~~140~~	155 / 120	180 / 140	205 / 160	230 / 180	~~255~~	280 / 250
ACTUAL / FRICTION	+20	+40 / 40							

BARO. SCALE ERROR (TOL. ± 25 FT.)							
28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
—	—	—	—		+	+	+
1730	1340	860	400	0	530	870	970

HYSTERESIS (TOL. ± 75 FT.): 50% MAX. +20 | 40% MAX. +20

AFTER EFFECT (TOL. 30 FT.): OK

CASE LEAK: OK

ALTIMETER MAKE: United Instruments
MODEL 5934P-1
S/N P5824

BLIND ENCODER MAKE: Transcal Industries
MODEL SSD120-30A
S/N A65223

TRANSPONDER MAKE: Garmin
MODEL GTX 320A
S/N 83811967

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20000 FT. TO COMPLY WITH FAR 91.411
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 8-29-17 Tach/Hobb: 5875.8 W.O. S10531 Signed [redacted]

WAUKESHA COUNTY AIRPORT / CRITES FIELD WAUKESHA, WI 53188 FAA NO. NC5D062N

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
08-31-17
Replaced left elevator outboard hinge bushing, bearing and bolt. P/N's 0432003-1, s1003-65A, & AN3-7. Hardware torqued and safetied. Elevator ops checked good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7633.
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
10-3-17 Tach:5435
Removed and replaced both flap limit switches with new and rigged as needed, ops check good. Removed and replaced L/H MLG tire with new. Cleaned + inspected wheel halves and bearings, greased bearings.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7672
Signed [redacted] A&P No [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
11-02-17 Tach 5465.7 15465.7 TT.
Annual inspection completed on this date IAW FAR 43 app. D. Wings, fuselage, and tail given a detailed inspection. Controls, push rods, cables and pulleys inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Doors, windows, and seals inspected. Interior, upholstery, and panel inspected. Seats, belts and rails inspected. Electrical and plumbing inspected. ELT inspected IAW FAR 91.207 par. d, ops check good. Battery due FEB 2019. AD's checked thru 2017-20. AD 80-11-04 dated 06-02-80, tail nut-plates, C/W by inspection, no defects noted. Due next at 5565.7 hrs tach. AD 11-10-09 dated 06-17-11, seat tracks, C/W by inspection and measurement, no defects noted, due next at 5565.7 hrs tach. AD 93-05-06 dated 09-24-90, ignition weitch, C/W by inspection, clean, and lube. No defects noted and ops check good. Due next at 7465.7 hrs tach. AD 84-26-02 dated 01-29-85. induction air filter, due at 5825 hrs tach. Adjsuted brakes and lines and replaced left brake pads. Replaced three cafe buttons on right flap and tape as needed on both flaps. Applied ACF-50 to interior of airframe. Installed new ball and spring in co-pilots window latch. Ops check good. Replaced right wing vent hose in wing root. Ops and leak check good. Aircraft run up, system ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7672
Signed [redacted] A&P No [redacted] IA

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

.N4978B
12-.14-17 Tach .5516.4
Ground run up and removed cowls. Drained engine oil , removed and cut open old oil filter, no debris found. Installed new . CH48110-1 oil filter, torqued and saftied. Added 6qts.15W50 engine oil. Checked tires, lights and brakes. Reinstalled cowls, ground run up, leak checked, good ops. AD 80-11-04 eff.06/02/80 Inspected nut plates and no defects noted next due 5615. AD ~~11-17-11~~ eff.06/17/11 inspected and measured seat tracks and determined seat track are within limits, next due 5616 ~~11-10-9~~
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. .7735.

Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
02-15-18 Tach 5560.6 15570.6 TT
Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. ELT battery next due date is FEB-2019. ADs checked thru 2018-02. AD 84-26-02 dated 01-29-85, air filter, due at 5825 tach. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 5660.6 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 2660.6 tach. AD 93-05-06 dated 09-24-90, ign switch, due a t7465 tach. Tightened clamps for right fuel tank vent line. Installed new valve core in nose tire tube. Ops and leak check good. Inspected vacuum system and replaced vacuum regulator filter B3-5-1. Aircraft run up, systems and ops check good.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7746

Signed [redacted] A&P No [redacted] A

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
03-25-18 Tach 5607.9
Changed inner tube on R/H main wheel with P/N 302-246-401, reinstalled no leaks noted. Replaced R/H and tail nav light bulbs. ops check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 7812.

Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

N4978B Airframe.
05-11-18 Tach 5660.9 TT 15670.3
Annual inspection completed on this date IAW FAR 43 ap
pulleys and rod ends inspected and lubed. Controls, hinges
belts, and rails inspected. Flaps, tracks and rollers inspecte
inspected. Interior, upholstery and panel inspected. Landi
inspected IAW FAR 91.207 para d, ops check good. Batte
gear bolt, due at prop strike, overhaul, or sudden stop. AD
Due next at 5760.9 hrs tach. AD 11-10-09 dated 06-17-11
Due next at 5760.9 hrs tach. AD 84-26-02 dated 01-29-85
Removed and replaced stall hrn, P/N 0513602-1, ops check
Installed new hardware into nose gear torque links and shin
Aircraft run up, systems and ops check good.
I certify that this aircraft or engine has been inspected in ac
airworthy condition. Pertinent details of the work performe
Signed [redacted]

1. Approving Civil Aviation Authority/Country:	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number:
FAA/United States		6140443

4. Oranization Name and Address:	5. Work Order/Contract/Invoice Number:
Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215	3088642

6.Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
30	HORN ASSY	0513602-1	1	N/A	New

12. Remarks:
AUTHORIZED RELEASE DOCUMENT
PO#: 180431

13a. Certifies the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
[redacted]	[redacted]		
13d. Name (Typed or Printed): DON P. MACY	13e. Date (dd/mmm/yyyy): 27/Apr/2018	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14) NSN: 0052-00-012-9005

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
05-11-18 Tach 5660.9 TT 15670.3

Annual inspection completed on this date IAW FAR 43 app. D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls, hinges and linkages inspected and lubed. Doors, windows and seals inspected. Seats, belts, and rails inspected. Flaps, tracks and rollers inspected and lubed. Lights, pitot heat and stall horn checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. Battery due FEB-2019. AD's checked thru 2018-08. AD 04-10-14C1, crankshaft gear bolt, due at prop strike, overhaul, or sudden stop. AD 80-11-04 dared 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 5760.9 hrs tach. AD 11-10-09 dated 06-17-11, seat tracks and pins, C/W by inspection and measurements, no defects noted. Due next at 5760.9 hrs tach. AD 84-26-02 dated 01-29-85 , induction air filter, C/W by replacement, due next at 6160.9 hr tach. AD Removed and replaced stall hrn, P/N 0513602-1, ops check good. Replaced upper torque link, P/N0442506-1 with serviceable one. Installed new hardware into nose gear torque links and shim as needed. Removed and replaced both vacuum filters, D9-18-1 and B3-5-1. Aircraft run up, systems and ops check good.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 7864

Signed [redacted] A&P No. [redacted] IA

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 2525 Aviation Drive Waukesha, WI 53188 (262) 547-8988

Airframe Logbook Entry

N4978B August 10, 2018 Hobbs: 6398.3 Tach: 5758.0 TT: 15578.0

100 Hour inspection completed on this date IAW FAR 43 appendix D. The following was accomplished: wings, fuselage, tail and cabin given a detailed inspection. Wheel bearings greased and brakes checked. Checked battery level and charge. Checked and cleaned fuel screens. Lights, stall horn and pitot heat checked. Changed oil and filter, cut open and inspect oil filter, no defects noted and serviced with Aeroshell 15W50. Electrical and plumbing inspected. Flap tracks and rollers inspected and lubed. Landing gear inspected and lubed. Replaced right main tire and tube with new. Inspected vacuum system and replaced vacuum regulator filter p/n B3-5-1. ELT inspected IAW FAR 91.207 paragraph D, ops check satisfactory. ELT Battery due FEB 2019. AD's check through 08/2018.

AD 80-11-04 eff. 06/02/80 Tail Nut Plates: complied with visual inspection, no defects noted. **Next Due: 5858.0**

AD 11-10-09 eff. 06/17/11 Seat Track: complied with by inspection and measurement, no defects noted. **Next Due: 5858.0**

AD 84-26-02 eff. 01/29/85 Air filter **Next Due: 6160.0**

AD 93-05-06 eff. 09/24/90 ign. Switch **Next Due: 7465.0**

Operational check performed satisfactory for return to service. I certify that this aircraft has been inspected IAW a 100 Hour inspection and was determined to be in airworthy condition.

James Furlong [redacted] [redacted]

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Descrip
DATE				Entries n Facility. (

SCA SPRING CITY AVIATION, INC. — Spring City A

N4978B August 29, 2018 Hobbs: 6444.5 Tach: 5792.9
Installed LH MLG tube with new PN: GL6020B Operational and
Gregory Joslyn AP3244041 [redacted]

SCA SPRING CITY AVIATION, INC. — Spring City

N4978B September 6, 2018 Hobbs: 6,464.0 Tach: 5,808.1
Replaced RH MLG Brake line w/new brake line PN:0400311-10
satisfactory for return to service. Steven Williams [redacted]

SCA SPRING CITY AVIATION, INC. — Spring City A

N4978B September 15, 2018 Tach: 5828.2 Hobbs: 6489.8
Removed & replaced RH main wheel tube with a new Aeroclassi
return to service. Paul Aydt AP2835993 [redacted]

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States		6342186

4. Oranization Name and Address:
Textron Aviation Inc. (PC4)
Textron Aviation Inc.
1 Cessna Blvd, Wichita, KS 67215

5. Work Order/Contract/Invoice Number: 3241109

6.Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status Work:
30	LINE BRAKE-RH	0400311-108	1	N/A	New

12. Remarks:
AUTHORIZED RELEASE DOCUMENT
PO#: 180900

13a. Certifies the items identifed above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature	14c. Approval/Certificate No.:
[redacted]	[redacted]		
13d. Name (Typed or Printed): RANDY MALCOLM	13e. Date (dd/mmm/yyyy): 05/Sep/2018	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14) NSN: 0052-00-012-9005

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved OMB No. 2120-0020 2/28/2011 — Electronic Tracking Number

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 707 Airport Rd. Burlington, WI 53105 262-342-5003

Airframe Logbook Entry

N4978B August 29, 2018 Hobbs: 6444.5 Tach: 5792.9

Installed LH MLG tube with new PN: GL6020B Operational and leak checks performed and found satisfactory for return to service.

Gregory Joslyn AP3244041 [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 707 Airport Rd. Burlington, WI 53105 262-342-5003

Airframe Logbook Entry

N4978B September 6, 2018 Hobbs: 6,464.0 Tach: 5,808.1

Replaced RH MLG Brake line w/new brake line PN:0400311-108 and bleed brakes. Operational and leak checks performed and found to be satisfactory for return to service. Steven Williams [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 707 Airport Rd. Burlington, WI 53105 262-342-5003

Airframe Logbook Entry

N4978B September 15, 2018 Tach: 5828.2 Hobbs: 6489.8

Removed & replaced RH main wheel tube with a new Aeroclassic 6.00 x 6 tube. Operational and leak checks performed and found satisfactory for return to service. Paul Aydt AP2835993 [redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

For FAA Use Only

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.
10-16-18 Tach 5855.1 15865.1 TT
Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. ELT battery next due date is FEB-2019. ADs checked thru 2018-18. AD 84-26-02 dated 01-29-85, air filter, due at 6160.0 tach. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 5955.1 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 2955.1 tach. AD 93-05-06 dated 09-24-90, ign switch, due a 7465 tach. Inspected vacuum system and replaced vacuum regulator filter B3-5-1 and system filter RAD9-18-1. Aircraft run up, systems ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8016
Signed [redacted] A&P No. [redacted] IA

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
10-16-18 Tach 5855.1
Removed and replaced battery, Gill G-243, S/N G03009558. Ops check good. Checked battery charging, ops check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8016.
Signed [redacted] A&P No. [redacted]

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

SCA SPRING CITY AVIATION, INC.

Spring City Aviation, Inc. 2525 Aviation Drive Waukesha, WI 53188 (262) 547-8988

Airframe Logbook Entry

N4978B February 1, 2019 Hobbs: 6,657.2 Tach: 5,951.6 TTAF: 15,951.6

A 100 hr inspection was performed this date, the following was accomplished: airframe inspected IAW FAR43 Appendix D, wheel bearings removed, cleaned, inspected, packed w/ grease and reinstalled, vacuum regulator filter removed and replaced w/ new (P/N RAB-3-5-1). Battery removed, charged and serviced w/ distilled water. **AD11-10-09** c/w by inspection IAW AD. **AD80-11-04** c/w by inspection IAW AD. Removed and replaced ELT battery (P/N BP-1020), **ELT Battery Due FEB 2021.** Tested ELT IAW FAR91.207(d), no defects noted next due February 2020. Removed Garmin GTX-320A transponder(P/N 011-00728-00, S/N 83811967), Appareo Stratus ESG Transponder (P/N 153510-000017 S/N 077163-077205), install rack (P/N 153540-000027), back plate (P/N 153510-000015) @ F.S. 18.50 RAMI AV-801(-A) GPS Antenna @ F.S. 52.69 , and Stratus 3i ADS-B IN receiver @ F.S. 38.50, weight and balance recalculated, refer to FAA form 337 dated this date for details.

Checked all AD's through 02-01-2019. Updated AD list. Recurring AD's:

AD80-11-04 c/w by inspection on 02-01-2019 @ 5,951.6 hrs, next due @ 6,051.6 hrs or in February 2020.

AD84-26-02 c/w by filter replacement @ 5,660.0 hrs, next due @ 6,160.0 hrs.

AD93-05-06 previously c/w by replacement @ 5,465.0 hrs, next due @ 7,465.0 hrs.

AD11-10-09 c/w by inspection on 02-01-2019 @ 5,951.6 hrs, next due @ 6,051.6 hrs or in February 2020.

Ground run-up and ops checks performed and found satisfactory. All work performed IAW Cessna service manual and FAR43 Appendix D. I certify this aircraft has been inspected IAW a 100 hr inspection and was determined to be in an airworthy condition.

Isaac Lorenson A[redacted]

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

YEAR:

DATE

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

Burlington Air Center Inc.
CRS No. J79R390Y

Phone: 262-763-9500
Fax: 262-763-2910

703 Airport Dr.
Burlington, WI 53105

N 4978B

S.O. # RS-19-7696

Test Alt x 1000 Ft.	-1	0	0.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tolerance +/- Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual +/- Ft.															

Test Alt x 1000 Ft.	20	22	25	30	35	40	45	50	After Effect	
Tolerance +/- Ft.	130	140	155	180	205	230	255	260	75 Ft.	75 Ft.
Actual +/- Ft.									Hy. 50%	Hy. 40%

Certified that altimeter checks required by FAR 91.411 have been performed and found to comply with Part 43. App. E, Par. B ☐

Certified that static system checks required by FAR 91.411 have been performed and found to comply with Part 43, App. E, Par.A. ☐

Certified that ATC transponder test and inspections required by FAR 91.413 were performed and found to comply with Part 43. App. F. ☒

Certified that automatic pressure altitude reporting system checks required by FAR 91.217 & FAR 91.411 have been performed and found to comply with Part 43, App. E, Par. C ☐

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date 2/5/19

Signed [redacted]

ALTIMETER
Make
Model
S/N

BLIND ENCODER
Make
Model
S/N

TRANSPONDER
Make Stratus
Model ESG
S/N 077180

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

TIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for ns and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each ation. (49 U.S.C. §46301(a))

raft	Nationality and Registration Mark: N4978B	Serial No.: 15283736	
	Make: Cessna	Model: 152	Series:

2. Owner

Name *(As shown on registration certificate)*: Spring City Aviation East LLC	Address *(As shown on registration certificate)*: Address 1012 W Wisconsin Ave; City Oconomowoc; State WI; Zip 53066; Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☑	AIRFRAME	—	(As described in Item 1 above)	—
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type / Manufacturer		

6. Conformity Statement

A. Agency's Name and Address
Name: Isaac Lorenson
Address: W289N2231 Louis Ave, Apt. 7
City: Pewaukee State: WI
Zip: 53072 Country: USA

B. Kind of Agency

✓	U. S. Certificated Mechanic		Manufacturer
	Foreign Certificated Mechanic	C. Certificate No.	
	Certificated Repair Station		
	Certificated Maintenance Organization	3779229	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐

Signature/Date of Authorized Individual
[redacted] Isaac Lorenson 02/01/2019

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☑ Approved ☐ Rejected

	FAA Flt. Standards Inspector		Manufacturer		Maintenance Organization		Persons Approved by Canadian Department of Transport
	FAA Designee		Repair Station	✓	Inspection Authorization		Other *(Specify)*

ificate or gnation No.
5167

Signature/Date of Authorized Individual
[redacted] Tyler Olson 02/01/2019

337 (10-06)

Placed /
Transponder /
Pitot Stall

SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B Airframe.

05-23-19 Tach 6051.9 16061.9 TT

Completed annual inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail, and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Controls hinges and linkages inspected and lubed. Doors windows and seals inspected. Seats, belts, and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flaps tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. ELT inspected IAW FAR 91.207 para d, ops check good. ELT battery next due date is FEB-2021. ADs checked thru 2019-10. AD 84-26-02 dated 01-29-85, air filter, due at 6160.0 tach. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, no defects noted. Due next at 6151.9 tach. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, no defects noted, due next at 6151.9 tach. AD 93-05-06 dated 09-24-90, ign switch, due a 7465 tach. Inspected vacuum system and replaced vacuum regulator filter B3-5-1. Removed and replaced left brake pads, RA66-109. Brake run in, ops check good. Aircraft run up, systems ops check good.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8184

Signed [redacted] A&P No. [redacted]

19
the
2019

PROPELLER

Type

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
06-07-19 Tach 6077.3 Hobbs 6827.2
Removed upper and lower engine cowls. Installed new exhaust muffler PN 0454009-5 with new gaskets PN 77611. Installed new vacuum pump PN RAP215CC SN A62275 with supplied new gasket. Reinstalled engine cowls. Ground run up, good operations. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8206.
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
6-26-19 Tach:6103
C/W AD 11-10-09 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 6203. C/W AD 80-11-04 dated 6-2-80 by visual inspection of tail nutplates for cracks, no defects noted, next due 6203. Checked lights, heats, tires, and brakes. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8206
Signed [redacted] A&P No. [redacted]

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
7-26-19 Tach:6151 TTAF:16151 SMOH:918
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected doors and windows. Removed and replaced R+L/H door window latches with new. Inspected control surfaces, cables, and pulleys. Inspected landing gear, wheels, tires, and brakes. Checked lights and heats. Removed and replaced LH nav light with new, ops check good. Inspected interior, seats, and instrument panel. Removed and replaced pilot's seat height adjust bearing roll pin with new, ops check good. Inspected ELT IAW FAR91.207, ops check good, battery next due 2/21. Removed and replaced vac regulator filter and instrument air filter with new. CW AD11-10-19 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 6251. CW AD80-11-04 dated 6-2-80 by visual inspection of tail nut plates, no defects noted, next due 6251. Performed run-up and leak check.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8259
Signed [redacted] A&P No [redacted] IA

PROPELLER

Type

9-24-19
N4978B

N4978B
9-19-19 Ta
Completed annual
cables, and pulleys
pane. Inspected EL
air filter with new.
AD80-11-04 dated
I certify that this ai
airworthy conditio
Signed [redacted]

1. Approving Civil Aviation Authority/Country:	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number:
FAA/United States		6836650

4. Oranization Name and Address:	5. Work Order/Contract/Invoice Number:
Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215	3625758

6.Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
10	LATCH ASSEMBLY L.H.	1217066-1	1	N/A	New

12. Remarks:

AUTHORIZED RELEASE DOCUMENT

PO#: 190725

13a. Certifies the items identifed above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature	14c. Approval/Certificate No.:
[redacted]	[redacted]		
13d. Name (Typed or Printed): DANIEL P. BEAT	13e. Date (dd/mmm/yyyy): 26/Jul/2019	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

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PO#: 190725

AUTHORIZED RELEASE DOCUMENT

20	LATCH ASSEMBLY R.H.	1217066-2	1	N/A	3625758	New
12. Remarks:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	

13a. Entries the items identified above were manufactured in conformity to:
☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

TIMMERMAN FIELD
MILWAUKEE, WI

N4978B
9-19-19 Tach:6254 TTAF:16254 SMOH:1021
Completed annual inspection this date. Inspected wings, tail, and fuselage. Inspected doors and windows. Inspected control surfaces, cables, and pulleys. Inspected landing gear, wheels, tires, and brakes. Checked lights and heats. Inspected interior, seats, and instrument pane. Inspected ELT IAW FAR91.207, ops check good, battery next due 2/21. Removed and replaced vac regulator filter and instrument air filter with new. CW AD11-10-19 dated 6-17-11 by visual inspection of seats and seat tracks, no defects noted, next due 6354. CW AD80-11-04 dated 6-2-80 by visual inspection of tail nut plates, no defects noted, next due 6354. Performed run-up and leak check.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8298
Signed [redacted] A&P No. [redacted] 14

Tyler Olson 02/01/2019

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B

10-24-19 Tach:6352 TTAF:16352 SMOH:1119

Completed annual inspection this date. Checked compressions 66-75-67-78. Changed oil and filter, added 6qts 15W-50 oil. Cut open filter and inspected. Checked mags leads, and timing. Cleaned, gapped, tested, and inspected spark plugs. Removed and replaced 1 spark plug with new. Cleaned and inspected fuel strainer. Lubed and checked engine controls. Inspected prop, hub, and spinner for condition. Dressed and painted prop as needed. Checked and serviced battery. Inspected engine and accessories for condition. Removed and replaced #4 rocker cover gasket with new and reinstalled new rocker shaft end cap, leak check good. Performed run-up and leak checks.

I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8336

Signed [redacted] A&P No. [redacted] IA

PROPELLER

Type

YEAR:	TOTAL TIME IN SERVICE	**Reference of Major Repairs and Major Alterations To** FAA Form 337 by Date, or to the Work Order by Number and the Approving Agency

A. Agency's Nam

Name Isaac Lo

Address W289

City Pew

Zip 53072

D. I certify that
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App. B

Pursuant to the
Administrator of th

FAA Flt.
Inspector

SCA SPRING CITY AVIATION

TIMMERMAN FIELD
MILWAUKEE, WI

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B

11-12-19 Tach: 6406

Checked and serviced battery. checked all lights and pitot heat. checked tires and brakes for condition and wear. serviced tires. Complied with AD 80-11-04 dated 6-2-80 by visual inspection of tail nut plates no discrepancies noted next due Tach: 6506 .
complied with AD 11-10-09 dated 06/17/11 by visual inspection of seats and seat tracks no discrepancies noted, next due Tach: 6506. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8353.

Signed [redacted] A&P No [redacted]

SCA SPRING CITY AVIATION, INC.

Spring City Aviation East, LLC Timmerman Field Milwaukee, WI(414) 461-3222

AIRFRAME Logbook Entry

N4978B December 4th, 2019 HOBBS: 7307.0 TACH: 6450.6 TTAF: 16450.6

Completed 100 hour inspection on this date IAW FAR 43 appendix D. Wings, fuselage, tail and cabin given a detailed inspection. Cables, pulleys and rod ends inspected and lubed. Control hinges and linkages inspected and lubed. Doors, windows and seals inspected. Seats, seat belts and rails inspected. Lights, stall horn and pitot heat checked. Electrical and plumbing inspected. Interior, upholstery and panel inspected. Flap tracks and rollers inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Removed and replaced right hand tire with new. Inspected ELT IAW FAR 91.207, operational check satisfactory, ELT BATTERY DUE: FEB 2021. Inspected vacuum system and replaced vacuum regulator with new filter p/n B3-5-1. AD's checked through 2019-12. AD 84-26-02 dated 01-29-85, air filter, NEXT DUE: 6725.0 TACH. AD 80-11-04 dated 06-02-80, tail nut plates, C/W by inspection, check satisfactory, NEXT DUE: 6550.6 TACH. AD 11-10-09 dated 06-17-11, seat rails and pins, C/W by inspection and measurement, check satisfactory, NEXT DUE: 6550.6 TACH. AD 93-05-06 dated 09-24-90, ignition switch, NEXT DUE: 7465.0 TACH. Performed run-up and leak check. Check satisfactory.

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Pertinent details of the work performed are on file at this agency under work order 8370.

James Furlong [redacted]

PROPELLER

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
12-11-19 Tach 6468.5
Removed and replaced inner tube on the R/H MLG tire P/N 302-246-401, Leak check good. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8389.
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION
TIMMERMAN FIELD
MILWAUKEE, WI
PHONE: 414-461-3222
FAX: 414-461-8207

N4978B
12-16-19 Tach 6479.2
Removed and replaced Nav switch with new unit P/N S2160-1. Ops check good.
With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8389.
Signed [redacted] A&P No. [redacted]

SCA SPRING CITY AVIATION

N4978B
12-23-19 Tach: 6500

Checked tires and brakes for wear. Checked all lights and pitot heat. serviced tires. Complied with AD 80-11-04 effective 6-02-80 by visually inspecting the tail nut plates no discrepancies noted AD is next due at Tach: 6600. Complied with AD 11-10-09 effective 6-17-11 by inspecting/measuring seat tracks and seat track engagement pins no discrepancies noted AD is next due at Tach: 6600. With respect to the work performed on this aircraft and/or engine identified above, it has been inspected and/or repaired in accordance with current Federal Aviation Regulations and found to be airworthy for return to service. Pertinent details of the repair are on file at this agency under work order no. 8389

Signed [redacted] A&P No. [redacted]

☐	☐	PROPELLER

TIMMERMAN FIELD
MILWAUKEE, WI

SCA SPRING CITY AVIATION

PHONE: 414-461-3222
FAX: 414-461-8207

N4978B airframe
01-16-20 Tach 6535.0 16545.0 TT.
Annual inspection completed on this date IAW FAR 43 app. D. Wings, fuselage, and tail given a detailed inspection. Controls, push rods, cables and pulleys inspected and lubed. Landing gear inspected and lubed. Tires and brakes inspected and serviced. Doors, windows, and seals inspected. Interior, upholstery, and panel inspected. Seats, belts and rails inspected. Electrical and plumbing inspected. ELT inspected IAW FAR 91.207 par. d, ops check good. Battery due FEB-21. AD's checked thru 2019-26. AD 80-11-04 dated 06-02-80, tail nut-plates, C/W by inspection, no defects noted. Due next at 6635.0 hrs tach. AD 11-10-09 dated 06-17-11, seat tracks, C/W by inspection and measurement, no defects noted, due next at 5635.0 hrs tach. AD 93-05-06 dated 09-24-90, ignition switch, due next at 7465.7 hrs tach. AD 84-26-02 dated 01-29-85. induction air filter, due at 6160.9 hrs tach. Adjusted elevator cable tension, ref. AMM chapter 27. Turn buckles safetied. Removed and replaced pilots door handle springs, P/N 0417016-1 & 0417016-2. Removed and replaced both fuel cap seals, P/N B10042-1. Installed shims as needed for nose gear torque links. Removed and replaced flap chafe tape as needed. Aircraft run up, system ops check good.
I certify that this aircraft or engine has been inspected in accordance with Annual inspection and was determined to be in airworthy condition. Pertinent details of the work performed are on file at this agency under work order no. 8409
Signed [redacted] A&P No. [redacted]

		SEE AIRFAME LOGBOOK #8	☐ Addition of Optional Equipment ☐ Removal of Optional Equipment ☐ Addition of Required–Exchanged for Option ☐ Removal of Required–Exchanged for Option
			☐ Addition of Optional Equipment ☐ Removal of Optional Equipment ☐ Addition of Required–Exchanged for Option ☐ Removal of Required–Exchanged for Option