

ENGINE LOG
EF5-1

R44 II
S/N: 11795

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

IO-540-AE1A5

L-31987-48E

MODEL _____ SERIAL NO. _____

DATE **JAN 08 2007** _____

(AUTHORIZED REPRESENTATIVE)

LYCOMING

A Textron Company

LYCOMING ENGINES

Williamsport, PA 17701 U.S.A.

Form No. 777-B (Rev. 3/03)

INSTALLATION RECORD

ENGINE DESCRIPTION

MANUFACTURER LYCOMING MODEL IO-540-AE1A5
 SERIAL NUMBER L-31987-48E DATE OF MANUFACTURE 08 JAN 2007

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE 100LL

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

R44 II

ENGINE ACCESSORIES INSTALLED

OIL COOLER	STEWART WARNER	S/N <u>3440</u>
OIL COOLER (SMALL)	STEWART WARNER	S/N <u>819</u>
RIGHT MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N <u>E06JA276</u>
LEFT MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N <u>E06JA094</u>
ALTERNATOR	KELLY AEROSPACE	S/N <u>G080387</u>
STARTER	SKY-TEC	S/N <u>H4M-050715</u>
FUEL CONTROL	PRECISION AIRMOTIVE	S/N <u>70BF6802</u>

IP SBR

INSTALLATION RECORD

[illegible]

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
Lycoming SB 342	Injector Fuel Lines	MAY 31 '07 0	New lines and clamps installed	Recur	100 or Annual	RHC [REDACTED]
Lycoming SB 388	Valve Stem Clearance	MAY 31 '07 0	New engine installed	Recur	300.0	RHC [REDACTED]
Lycoming SB 480	Oil Change	MAY 31 '07 4.0	Changed oil	Recur	4 months or 29.0	RHC [REDACTED]
R2 94-01-03	TCM Magnetos	MAY 31 '07 0	N/A by Mag S/N	1 Time	N/A	RHC [REDACTED]
94-06-09	TCM Magnetos	MAY 31 '07 0	N/A by Mag S/N	1 Time	N/A	RHC [REDACTED]
95-07-01	Connecting Rod Bolts	MAY 31 '07 0	Mfg'd by Text-Lyc	1 Time	N/A	RHC [REDACTED]
96-09-10	Sintered Iron Impeller	MAY 31 '07 0	C/W by Mfr	1 Time	N/A	RHC [REDACTED]
96-23-03	Fuel Pumps	MAY 31 '07 0	N/A by D.O.M.	1 Time	N/A	RHC [REDACTED]
98-18-12	Fuel Pumps	MAY 31 '07 0	N/A by pump model	1 Time	N/A	RHC [REDACTED]
2000-18-53	Oil Filter Plate	MAY 31 '07 0	Converter Plate not installed	1 Time	N/A	RHC [REDACTED]
2002-26-01	Injector Fuel Lines	MAY 31 '07 0	New lines and clamps installed	Recur	100 or Annual	RHC [REDACTED]
2004-05-24	Crankshaft Gear Bolt	MAY 31 '07 0	Complied with by Lycoming	1 Time	N/A	RHC [REDACTED]
2004-10-14	Crankshaft Gear	N/A 0	N/A	Recur	Sudden Stoppage, or Gear Train Repair	RHC [REDACTED]
2005-12-06	TCM Magnetos	MAY 31 '07 0	N/A by Series	1 Time	N/A	RHC [REDACTED]
2005-19-11	Crankshaft	MAY 31 '07 0	N/A per SB 566	1 Time	N/A	RHC [REDACTED]
2006-20-09	Crankshaft	MAY 31 '07 0	N/A by Eng S/N	1 Time	N/A	RHC [REDACTED]

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
AD 2007 04-19	Revised	302.8 10-19-12	N/A			
AD 2007 04-19R1	Cylinder	10-19-12 302.8	N/A due to cylinder not inst.	1 Time	N/A	[Redacted] A [Redacted]
AD 2008 14-07	Superseded					
AD 2008 19-05	Superseded					
AD 2009 26-12	Cylinder	10-19-12 302.8	N/A due to cylinder not installed	1 Time	N/A	[Redacted] A [Redacted]
AD 2011 15-10	Superseded					
AD 2011 26-04	external fuel lines	10-19-12 302.8	Inspect fuel lines for chaffing	Recurr	100hr / 0/14	[Redacted] A [Redacted]
AD 2012 03-06	AFS FUEL Servo	10-19-12 302.8	N/A fuel servo not installed	1 Time	N/A	[Redacted] A [Redacted]
AD 2012 19-01	CRANKSHAFT Retirement	10-19-12 302.8	N/A due to ENGINE S/N	1 Time	N/A	[Redacted] A [Redacted]
SB-597	Fuel Drain VALVE	10-19-12 302.8	N/A due to install of drain valve	1 Time	N/A	[Redacted] A [Redacted]
SB-342	injector fuel lines	10-19-12 302.2	Inspected fuel lines for chaffing	Recurr	100hr / annual	[Redacted] A [Redacted]
SB-480	oil change	10-19-12 302.8	Changed oil and oil filter	Recur	4 months or 30hrs	[Redacted] A [Redacted]
SB-301B	valve inspection	10-19-12 302.8	Inspect valves	Recur	300hr	[Redacted] A [Redacted]
SB-342	injector fuel lines	OCT 31, 14 397.4	Inspected lines	Recurr	100hr / annual	[Redacted] A [Redacted]
SB-480E	oil change	OCT 31, 14 397.4	oil changed	Recurr	4 months or 30 hrs	[Redacted] A [Redacted]
AD 2011 26-04	external fuel lines	OCT 31, 14 397.4	Inspected fuel lines per AD	Recurr	100hr / annual	[Redacted] A [Redacted]

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

[illegible]

CORD

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/10/07	28.6	Drained oil installed new CH48108 Filter inspected removed Filter. Serviced 7qt Aero shell mercurial oil w/100. [REDACTED] A.P. [REDACTED]
10-23-07	53.0	Drained oil installed new CH48108 Filter inspected & remove filter Serviced 9qt Aero shell 100 everything Look Great !! [REDACTED] [REDACTED]
12/22/07	66.7	Changed oil /no FILTER. Added 9qt Aero shell 100 [REDACTED] [REDACTED]
1/24/08	81.0	C/w AD 2008-06-51 plug was loose, Inspected Threads + GASKET OK. Installed & Torqued TO 95 INCHES. & SAFETY WITH .025 WIRE. [REDACTED] IA [REDACTED]

100hr
Ann

INSPECTION & MAINTENANCE RECORD

ENGINE LOGBOOK ENTRY

DATE

TOTAL
TIME

06-03-08

N44BJ

TACH:

85.2

TT:

85.2

Completed 100 hr. inspection per Appendix D to Part 43. Compressions as follows: #1-78/80, #2-74/80, #3-74/80, #4-76/80, #5-75/80, #6-75/80. Changed oil and filter. Serviced with 9 quarts Aeroshell 100W Plus and CH48108-1 filter. Washed, ran up and leak checked. Complied with AD 2002-26-01 (fuel injector lines) by inspection. This aircraft, airframe, aircraft engine, propeller or appliance 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 Work Order 16464. I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in an airworthy condition.

Signed:

signature of authorized representative

Rite-Way Aviation, Inc.
Repair Station
Spring, TX 77379

8/20/08

95.7 hrs

Removed sky Tec STARTER DU TO problems, Installed New SKY Tec STARTER #149-24HT/H IAW Installation, operation Test OK

9-14-08

99.6

Drained oil and change oil only/No filter inspected checked plug every thing Looked great 9 at Aero shell 100

4-03-09

128.4

Drained oil and change oil & filter Aeroshell 100w plus 9 and CH48108-1 filter. inspected & check plug servo OK

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

ENGINE LOGBOOK ENTRY

08-03-09

N44BJ

TACH:

135.8

TT:

135.8

Completed 100 hr. inspection per Appendix D to Part 43. Compressions as follows: #1-75/80, #2-74/80, #3-73/80, #4-76/80, #5-75/80, #6-74/80. Changed oil and filter. Serviced with 9 quarts Aeroshell 100W Plus and CH48108-1 filter. Washed, ran up and leak checked. Complied with AD 2008-14-07 (fuel injector lines) by inspection and AD 2009-02-03 (lean engine) by installation of new gasket P/N 2577258. See AD Compliance Report for recurrent requirements. This aircraft, airframe, aircraft engine, propeller or appliance 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 Work Order 17228. I certify that this engine has been inspected in accordance with a(n) 100 hr. inspection and was determined to be in an airworthy condition.

Signature

signature of authorized representative

Rite-Way Aviation, Inc.

Repair Station

Spring, TX 77379

ENGINE LOGBOOK ENTRY

09/10/2010

N44BJ

Tach: 155.5

TT: 155.5

Completed 100 hr. inspection per Appendix D to Part 43. Compressions as follows: #1-76/80, #2-74/80, #3-76/80, #4-78/80, #5-75/80, #6-76/80. Changed oil and filter. Serviced with 9 quarts Aeroshell W100 Plus and CH48108-1 filter. Washed, ran up and leak checked. Complied with AD 2008-14-07 (fuel injector lines) by visual inspection. See AD compliance report for recurrent requirements. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected 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 Work Order 18011. I certify that this engine has been inspected in accordance with a(n) 100 hour inspection and was determined to be in an airworthy condition.

Signed:

signature of authorized representative

Rite-Way Aviation, Inc.

Repair Station

Spring, TX 77379

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6/7/2011	181.9 HRS	Drained Oil, Serviced w/ 7 qts Aeroshell W100 Plus - Runway - OK [Redacted] (Continued) # [Redacted]

Niaves Helicopter Service, LLC

[Redacted] Cotulla Texas 78014

Date: 4 Oct 2011 N44BJ S/N: 11795 Hobbs: 208.6 Att: 208.6 Ett: 208.6

Completed 100 hr. inspection I.A.W. Lycoming Operators Manual section 4-1 thru 4-4.

Drained oil, inspected oil screen found clean. Installed new oil filter p/n CH48108-1 and serviced with 9 qts. of Aeroshell W100 plus. Removed sparkplugs, cleaned, inspected, and gapped as required. Reinstalled sparkplugs with anti-seize and new gaskets p/n M674 12 ea. Compression test as follows

76,74,77,77,76, 78/80. Drained fuel servo of fuel and inspected fuel screen, found clean. Reinstalled fuel screen with new o-rings p/n 951392 and 951790. The following SI, SB, and AD were complied with, AD 2008-14-07 by inspecting fuel lines for kinks and chaffing.

AD 2011-15-10 n/a due to no repair done to fuel servo.

SB-480E was complied with, oil and oil filter were changed.

SI 1080B was complied with, special items looked at.

SI 1129 was complied with, alternator belt tension was checked.

All maintenance was done I.A.W. Lycoming Operators Manual, Lycoming Overhaul Manual, Service Instructions, and Service Bulletin. I certify that this engine was found to be in airworthy condition and is returned to service.

Pablo Niaves Jr

AP [Redacted] A [Redacted]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Niaves Helicopter Service, LLC

[REDACTED] Cotulla Texas 78014

Date: 19 Oct 2012 N44BJ S/N: 11795 Hobbs: 302.8 Att: 302.8 Ett: 302.8

Completed 100 hr. inspection I.A.W. Lycoming Operators Manual section 4-1 thru 4-4.

Drained oil, inspected oil screen found clean. Cut open oil filter and found no metal or carbon. Installed new oil filter p/n CH48108-1 and serviced with 9 qts. of Aeroshell W100 plus. Removed sparkplugs, cleaned, inspected, and gapped as required. Reinstalled sparkplugs with anti-seize and new gaskets p/n M674 12 ea. Compression test as follows 74,73,76,76,75, 75/80. Drained fuel servo of fuel and inspected fuel screen, found clean. Reinstalled fuel screen with new o-rings p/n 951392 and 951790. The following SI, SB, and AD were complied with,

AD 2012-19-01 n/a due to engine serial number.

AD 2012-03-06 n/a due AFS fuel servo not installed.

AD 2011-26-04 complied by inspecting external injector fuel lines. Due NLT 402.8

AD 2008-14-07 complied by inspecting fuel lines for kinks and chaffing. Due NLT 402.8

AD 2011-15-10 n/a due to no repair done to fuel servo.

SB-597 n/a due to valve not installed between Aug 2010 to Sept. 2011.

SB-480E was complied with, oil and oil filter were changed. Due in four months or 30 hrs.

SI 1080B was complied with, special items looked at. Due NLT 402.8

SI 1129 was complied with, alternator belt tension was checked. Due NLT 402.8

All maintenance was done I.A.W. Lycoming Operators Manual, Lycoming Overhaul Manual, Service Instructions, and Service Bulletin. I certify that this engine was found to be in airworthy condition and is returned to service.

Pablo Niaves

AP [REDACTED]

100hr
Ann

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		Niaves Helicopter Service, LLC
		[REDACTED] Cotulla Texas 78014
		[REDACTED]
		Date: 21 Nov 2013 N44BJ S/N:11795 Hobbs: 355.2 Att: 355.2 Ett: 355.2
		Completed 100 hr. inspection I.A.W. Lycoming Operators Manual section 4-1 thru 4-4.
		Drained oil, inspected oil screen found clean. Cut open oil filter and found no metal or carbon. Installed new oil filter p/n CH48108-1 and serviced with 9 qts. of Aeroshell W100 plus. Installed new sparkplugs p/n REM38E 12 ea, with anti-seize and new gaskets p/n M674 12 ea. Compression test as follows 74,76,74,75,75, 76/80. Drained fuel servo of fuel and inspected fuel screen, found clean. Reinstalled fuel screen with new o-rings p/n 951392 and 951790. Installed new crankshaft seal p/n LW-13792 IAW SI-1324C. The following SI, SB, and AD were complied with,
		AD 2011-26-04 complied by inspecting external injector fuel lines. Due every 100 hr or annual.
		AD 2008-14-07 complied by inspecting fuel lines for kinks and chaffing. Due every 100hr or annual.
		SB-480E was complied with, oil and oil filter were changed. Due in four months or 30 hrs.
		SI 1080B was complied with, special items looked at. Due every 100 hr or annual.

Niaves Helicopter Service, LLC

[REDACTED] Cotulla Texas 78014

Date: Dec 3, 2011 N44BJ S/N: 11795 Hobbs: 212.6 Att: 212.6

Installed new ELT battery p/n BP 1020 and tested I.A.W. FAR 91.207 (d) and was found to be in airworthy condition.

Pablo Niaves

AP [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Niaves Helicopter Service, LLC

[REDACTED] Cotulla Texas 78014
[REDACTED]

Date: 21 Nov 2013 N44BJ S/N:11795 Hobbs: 355.2 Att: 355.2 Ett: 355.2
Completed 100 hr. inspection I.A.W. Lycoming Operators Manual section 4-1 thru 4-4.

Drained oil, inspected oil screen found clean. Cut open oil filter and found no metal or carbon. Installed new oil filter p/n CH48108-1 and serviced with 9 qts. of Aeroshell W100 plus. Installed new sparkplugs p/n REM38E 12 ea, with anti-seize and new gaskets p/n M674 12 ea. Compression test as follows 74,76,74,75,75, 76/80. Drained fuel servo of fuel and inspected fuel screen, found clean. Reinstalled fuel screen with new o-rings p/n 951392 and 951790. Installed new crankshaft seal p/n LW-13792 IAW SI-1324C. The following SI, SB, and AD were complied with,

AD 2011-26-04 complied by inspecting external injector fuel lines. Due every 100 hr or annual.

AD 2008-14-07 complied by inspecting fuel lines for kinks and chaffing. Due every 100hr or annual.

SB-480E was complied with, oil and oil filter were changed. Due in four months or 30 hrs.

SI 1080B was complied with, special items looked at. Due every 100 hr or annual.

SI 1129 was complied with, alternator belt tension was checked. Due every 100 hr or annual.

All maintenance was done I.A.W. current Lycoming Operators Manual, Lycoming Overhaul Manual, Service Instructions, and Service Bulletin. This engine was ran up and no leaks noted. I certify that this engine was found to be in airworthy condition and is returned to service.

Pablo Niaves Jr.

AP [REDACTED] A [REDACTED]

Niaves Helicopter Service, LLC

[REDACTED] Cotulla Texas 78014

Date: Dec 3, 2011 N44BJ S/N: 11795 Hobbs: 212.6 Att: 212.6

Installed new ELT battery p/n BP 1020 and tested I.A.W. FAR 91.207 (d) and was found to be in airworthy condition.

Pablo Niaves Jr. [REDACTED]

AP [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Niaves Helicopter Service, LLC

Cotulla Texas 78014

100hr

Ann

Date: 31 Nov 2014 N44BJ S/N:11795 Hobbs: 394.7 Att: 394.7 Ett: 394.7

Completed 100 hr. inspection I.A.W. current Lycoming Operators Manual section 4-1 thru 4-4.

Drained oil, inspected oil screen found clean. Cut open oil filter and found no metal or carbon. Installed new oil filter p/n CH48108-1 and serviced with 9 qts. of Aeroshell W100 plus. Cleaned, inspected, and gapped as required all sparkplugs. Reinstalled spark plugs with anti-seize and new gaskets p/n M674 12 ea. Compression test as follows 78,75,78,75,75, 76/80. Drained fuel servo of fuel and inspected fuel screen, found clean. Reinstalled fuel screen with new o-rings p/n 951392 and 951790. The following SI, SB, and AD were complied with,

AD 2011-26-04 complied by inspecting external injector fuel lines. Due every 100 hr or annual.

AD 2008-14-07 complied by inspecting fuel lines for kinks and chaffing. Due every 100hr or annual.

SB-480E was complied with, oil and oil filter were changed. Due in four months or 30 hrs.

SI 1080B was complied with, special items looked at. Due every 100 hr or annual.

SI 1129 was complied with, alternator belt tension was checked. Due every 100 hr or annual.

I certify that this engine was found to be in airworthy condition and is returned to service.

Pablo Niaves Jr

AP [REDACTED] A [REDACTED]

04/30/2016

465.2 HRS

Drained Oil, Serviced w/ 7 QTS Aeroshell W100 Plus
Runup - OK

Pony Williams Comm# [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Niaves Helicopter Service, LLC

Cotulla Texas 78014

Date: Dec. 21, 2015 N44BJ S/N:11795 Hobbs: 440.4 Att: 440.4 Ett: 440.4

Completed 100 hr. inspection I.A.W. current Lycoming Operators Manual section 4-1 thru 4-4.

Drained oil, inspected oil screen found clean. Cut open oil filter and found no metal or carbon. Installed new oil filter p/n CH48108-1 and serviced with 9 qts. of Aeroshell W100 plus. Cleaned, inspected, and gapped as required all sparkplugs. Reinstalled spark plugs with anti-seize and new gaskets p/n M674 12 ea. Compression test as follows 75,72,74,76,76, 76280. Drained fuel servo of fuel and inspected fuel screen, found clean. Reinstalled fuel screen with new o-rings p/n 951392 and 951790. The following SI, SB, and AD were complied with,

AD 2011-26-04 complied by inspecting external injector fuel lines. Due every 100 hr or annual.

AD 2008-14-07 complied by inspecting fuel lines for kinks and chaffing. Due every 100hr or annual.

SB-480E was complied with, oil and oil filter were changed. Due in four months or 30 hrs.

SI 1080B was complied with, special items looked at. Due every 100 hr or annual.

SI 1129 was complied with, alternator belt tension was checked. Due every 100 hr or annual.

I certify that this engine was found to be in airworthy condition and is returned to service.

Pablo Niaves Jr.

AP

61A11

& MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Hobbs: 537.5

Engine TT: 537.5

AW Lycoming Ops manual section 4 and FAR 43 appendix D. Changed
Replaced, cut open and inspected oil filter no metal found. R/R both mags
on E07483 on L/H side and timed to engine @ 20 degrees BTDC.
all fuel screens. Removed, cleaned, gapped and tested all
ons were(#1)76/80(#2) 78/80 (#3) 76/80(#4) 80/80(#5) 80/80
sual inspection of injector lines and clamps.
IAW the requirements of a 100 Hour/Annual inspection and
d to service.

Gary Moseley [REDACTED] A&P/IA

Hobbs: 649.0

Engine TT: 649.0

AW Lycoming Ops manual section 4 and FAR 43 appendix D. Changed
s. Replaced, cut open and inspected oil filter no metal found. All
ed. Compressions were(#1)76/80(#2) 78/80 (#3) 78/80(#4) 76/80
l-26-04 by visual inspection of injector lines and clamps. C/W
es for kinks or chaffing. Installed new Skytec starter ,model
her AD's found due at this time.
d IAW the requirements of a 100 Hour/Annual inspection and
ed to service.

Gary Moseley [REDACTED] A&P/IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	
22-Oct-2016	N44BJ	Hobbs: 537.5	Engine TT: 537.5
100 Hr/Annual Inspection completed IAW Lycoming Ops manual section 4 and FAR 43 appendix D. Changed Oil with 8 qts of Aeroshell W 100 Plus. Replaced, cut open and inspected oil filter no metal found. R/R both mags Installed s/n Eo6JA276 on R/H side, s/n E07483 on L/H side and timed to engine @ 20 degrees BTDC. Removed and inspected oil suction and all fuel screens. Removed, cleaned, gapped and tested all spark plugs and reinstalled. Compressions were(#1)76/80(#2) 78/80 (#3) 76/80(#4) 80/80(#5) 80/80 (#6) 64/80. C/W AD 2011-26-04 by visual inspection of injector lines and clamps. I certify that this engine was inspected IAW the requirements of a 100 Hour/Annual inspection and is in airworthy condition and is returned to service. Gates Valley Services LLC Gary Moseley [REDACTED] A&P/IA			
08-Jan-2017	N44BJ	Hobbs: 649.0	Engine TT: 649.0
100 Hr/Annual Inspection completed IAW Lycoming Ops manual section 4 and FAR 43 appendix D. Changed Oil with 8 qts of Aeroshell W 100 Plus. Replaced, cut open and inspected oil filter no metal found. All spark plugs cleaned, gapped and rotated. Compressions were(#1)76/80(#2) 78/80 (#3) 78/80(#4) 76/80 (#5) 76/80 (#6) 79/80. C/W AD 2011-26-04 by visual inspection of injector lines and clamps. C/W AD 2008-14-07 by inspecting fuel lines for kinks or chaffing. Installed new Skytec starter ,model #149-24HT, s/n H4C451602. No further AD's found due at this time. I certify that this engine was inspected IAW the requirements of a 100 Hour/Annual inspection and is in airworthy condition and is returned to service. Gates Valley Services LLC Gary Moseley [REDACTED] A&P/IA			

100hr
Ann

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
21-Mar-2017	N44BJ	Hobbs: 749.0 Engine TT: 749.0 100 Hr/Annual Inspection completed IAW Lycoming Ops manual section 4 and FAR 43 appendix D. Changed Oil with 8 qts of Aeroshell W 100 Plus. Replaced, cut open and inspected oil filter no metal found. All spark plugs replaced with new CH REM38E plugs. Compressions were(#1)74/80(#2) 77/80 (#3) 77/80(#4) 76/80 (#5) 70/80 (#6) 72/80. C/W AD 2011-26-04 by visual inspection of injector lines and clamps. R/R aircleaner With new CA6526 filter. No further AD's found due at this time. I certify that this engine was inspected IAW the requirements of a 100 Hour/Annual inspection and is in airworthy condition and is returned to service. Gates Valley Services LLC Gary Moseley [REDACTED] A&P/IA
3/18/17	749.7	Engine oil Change. Changed oil with 8 qts 100w plus AeroShell [REDACTED] [REDACTED]
4/12/17	825.0	Engine oil Change. Changed oil with 8 qts Aero Shell 100w plus. Changed filter with Tanport Ch 104108-2 filter [REDACTED] [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

20-May-2017 N44BJ

Hobbs: 848.8

Engine TT: 848.8

100 Hr/Annual Inspection completed IAW Lycoming Ops manual section 4 and FAR 43 appendix D. Changed Oil with 8 qts of Aeroshell W 100 Plus. Replaced, cut open and inspected oil filter no metal found. Cleaned, gapped And rotated all spark plugs. Compressions were(#1)76/80(#2) 76/80(#3) 78/80(#4) 76/80(#5) 75/80 (#6) 76/80. C/W AD 2011-26-04 by visual inspection of injector lines and clamps.

No further AD's found due at this time.

I certify that this engine was inspected IAW the requirements of a 100 Hour/Annual inspection and is in airworthy condition and is returned to service.

Gates Valley Services LLC

Gary Moseley

A&P/IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
ENGINE LOG		
Lycoming IO-540-AE1A5 S/N L-31987-48E		
Date <u>07-17-2017</u> Hobbs/TT <u>880.4</u>		
Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 68/80 #2 70/80 #3 72/80 #4 68/80 #5 76/80 #6 78/80. Checked mag to engine timing (no adjustments needed). Cleaned all spark plugs. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.		
Signed _____ Danny Van Donselaar A/P _____ I/A		
Knoxville Aviation _____ Knoxville Iowa USA		
ENGINE LOG		
Lycoming IO-540-AE1A5 S/N L-31987-48E		
Date <u>07-17-2017</u> Hobbs/TT <u>880.4</u>		
I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in an <u>air</u> worthy condition.		
Signed _____ Danny Van Donselaar A/P _____ I/A		
Knoxville Aviation _____ Knoxville Iowa USA		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 7/20/17 Hobbs/TT 905

Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. Ran engine and checked for leaks

Signed _____

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 07-21-2017 Hobbs/TT 907.9

Complied with SB388C by reaming all exhaust valves. Installed six new UREM40E spark plugs. Installed new A127-3 Rod end and B564-2 link assembly in throttle linkage. Ran engine and checked for leaks and proper mag drops.

Signed _____ Danny Van Donselaar A/P _____ I/A

Knoxville Aviation _____ Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 07-24-2017 Hobbs/TT 915.8

Installed overhauled magneto's on right and left mags (see yellow tags) and timed to 20 BTDC. Magneto's installed with new gaskets and mag cushions. Ran engine and checked for leaks and proper mag drops.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 7/28/17 Hobbs/TT 930.0

Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. Ran engine and checked for leaks.

Signed [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 7/30/17 Hobbs/TT 9550

Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. Ran engine and checked for leaks

Signed _____

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 08-2-2017 Hobbs/TT 970.7

Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 70/80 #2 76/80 #3 65/80 #4 76/80 #5 76/80 #6 78/80. Checked mag to engine timing (no adjustments needed). Cleaned all spark plugs. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.

Signed _____ Danny Van Donselaar A/P _____ I/A
Knoxville Aviation _____ Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 08-2-2017 Hobbs/TT 970.7

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 8/10/17 Hobbs/TT 995.0

Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. Ran engine and checked for leaks.

Signed [REDACTED]

ENGINE I
Lycoming
Date 08-19
Complied v
FAR 43, A
Removed a
and instal
Replaced #
Replaced al
Checked m
six new UR
lines and cl
Signed
Knoxville

MAINTENANCE RELEASE

MANUFACTURER **LYCOMING** NAME **CYL. ASSY**
MODEL No. 10540 PART No. W12935T SERIAL No. UA

THE 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 WORK ORDER No. 74139-01"

SIGNED

DATE MAR 04 2016

FOR: J & J AIR PARTS, INC. REPAIR STATION No. [REDACTED]

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 08-19-2017 Hobbs/TT 1022.0

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation* [REDACTED] Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED

TOTAL

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 08-19-2017 Hobbs/TT 1022.0

Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil.

Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 75/80 #2 78/80 #3 replaced #4 72/80 #5 75/80 #6 72/80.

Replaced #3 cylinder with overhauled P/N 12993ST (see yellow tag dated March 04-2016).

Replaced all oil drain back tubes. Installed new engine mounts P/N C653-2 and C653-1.

Checked mag to engine timing (no adjustments needed). Cleaned all spark plugs and installed six new UREM40E Spark plugs. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.

Signed _____ Danny Van Donselaar A/P _____ I/A
Knoxville Aviation _____ Knoxville Iowa USA

ENGINE LOG

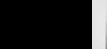
Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 08-19-2017 Hobbs/TT 1022.0

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed _____ Danny Van Donselaar A/P _____ I/A
Knoxville Aviation _____ Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

1. Approving national aviation authority/country TRANSPORT CANADA		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form tracking No. 2017-8078	
4. Approved organization name and address  ACORN WELDING LTD. EDMONTON, AB T5H 3P4		Ph: [REDACTED] Ph: [REDACTED] Fax: [REDACTED]		5. Work order/contract/invoice SO:N/A PO:N/A	
6. Item 1	7. Description Muffler Assy Robinson R44	8. Part Number C169-32AWL	9. Qty 1	10. Serial/ Batch # IS544-579	11. Status/Work NEW
12. Remark All New Material. Manufactured as per PDA09-1 Replacement for Robinson Part C169-32. Welded As Per AWS D17.1					
13a. Certifies that the items identified above were manufactured in conformity to: ☒ Approved design data and are in condition for safe operation ☐ Non approved design data specified in block 12.					
13b. Authorized signature 		13c. Approved Organization Number 100-91		14. Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 was performed in accordance with CAR 571	
14b. Authorized signature 		14c. Approved Organization Number 100-91		14d. Name Ian McGaffey	
14e. Date (dd/mm/yyyy) 18-Apr-17		14f. Date (dd/mm/yyyy)		14g. Date (dd/mm/yyyy)	

Installer must cross-check eligibility with approved data 1. This certificate does not constitute authority to install the part 2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1. 3. Statements 13a and 14a do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

A&P [REDACTED]

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/5/17	1025.2	Removed exhaust and Replaced with new ACORN PART # C169-32AWH. Run up and exhaust Leak Check. OK. Aircraft is returned to service.
12/5/17	1025.0 1020.0	Replaced Hobbs meter with new. Hobbs meter reads 0000.0 at install.
12/8/17	1031.0	Charged oil with 7 quarts 100W plus Aeroshell.

10-27-2017

N44BJ

Hobbs Time: 69.4

Replaced defective Fuel Flow Divider with overhauled unit from Aircraft Accessories of Oklahoma p/n 2576526-1 s/n 0018. Ran engine functionally checked operation and no leaks found, aircraft is returned to service for work performed.

A&P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL	INSPECTION OR MAINTENANCE PERFORMED
ENGINE LOG		
Lycoming IO-540-AE1A5 S/N L-31987-48E		
Date <u>11-09-2017</u>	Hobbs <u>84.9</u>	Total Time <u>1114.9</u>
Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil.		
Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 75/80 #2 79/80 #3 80/80 #4 75/80 #5 74/80 #6 76/80.		
Checked mag to engine timing (no adjustments needed). Cleaned, gapped, and rotated all spark plugs. Cleaned fuel injectors. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.		
Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A		
Knoxville Aviation [REDACTED] Knoxville Iowa USA		

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 11-09-2017 Hobbs 84.9 Total Time 1114.9

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

1. Approving Civil Aviation

Authority/Country:

FAA/UNITED STATES

2.

AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address:

T&W Electrical Service, Inc. [REDACTED] Lakeview, MI 48851

6. Item

7. Description:

8. Part Number:

9. Quantity

1

Alternator

ALU-8521LS

12. Remarks:

Overhauled in accordance with FAA approved Process Specification TW500

Certifies that the work specified in blocks 11/12 was carried out in accordance with FAA approved Process Specification TW500 and is ready for release to service under EASA Part-145 Approval Number EASA.1

4. Part
2. Aircraft

on 4, per RMM section
/80, 2-73/80, 3-76/80,
al attention. C/W AD
4. Checked alternator
and found satisfactory.
ntenance accomplished
gine has been inspected
A&P [REDACTED] A

INSPECTION & MAINTENANCE RECORD

TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1/24/18 Hobbs 124.7	Total time 1154.7 Replaced Alternator with Part number ALU-8521LS / SN E021255. Ran Aircraft and found to be airworthy. [REDACTED] [REDACTED]

04-24-2018

N44BJ

Hobbs: 196.4

Engine TT: 1221.4

Performed an ANNUAL inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed cylinder compression check IAW Lycoming SI 1191A, compressions were: 1-75/80, 2-73/80, 3-76/80, 4-75/80, 5-74/80, 6-68/80. Complied with Lycoming SI 1080C by inspection of items for special attention. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps IAW Lycoming SB324F, next due @ TT: 1321.4. Checked alternator belt tension IAW Lycoming SI 1129B. Performed operational check of engine IAW FAR 43.15 (c) (2) and found satisfactory. No outstanding AD's found against this engine through BW 2018-08, see AD list in logbook. All maintenance accomplished IAW Lycoming Operators Manual P/N 60297-10, Sec 4, per RMM section 1.000. I certify that this engine has been inspected IAW an ANNUAL inspection and was determined to be in airworthy condition. [REDACTED] A&P [REDACTED] A

Removed both magnetos and installed overhauled magnetos P/N 10-600616-3 S/N E5FA216H and P/N 10-600646-201 S/N E06JA276. Installed with new drive cushions and gaskets. Installed all new UREM 38E spark plugs. Ran engine and checked for leaks and proper mag drops.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] /A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 07-17-2018 Hobbs 295.8 Total Time 1320.8

Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 76/80 #2 76/80 #3 78/80 #4 78/80 #5 66/80 #6 68/80.

Checked mag to engine timing (no adjustments needed). Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 07-17-2018 Hobbs 295.8 Total Time 1320.8

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

[REDACTED] A/P [REDACTED] I/A

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	
08-24-2018	N44BJ	Hobbs: 425.2	Engine TT: 1450.2
Performed an ANNUAL inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed cylinder compression check IAW Lycoming SI 1191A, compressions were: 1-74/80, 2-70/80, 3-75/80, 4-75/80, 5-71/80, 6-73/80. Changed oil and filter, serviced with 8qts Aeroshell W100plus and new filter. Complied with Lycoming SI 1080C by inspection of items for special attention. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps IAW Lycoming SB324F, next due @ TT: 1550.2. Checked alternator belt tension IAW Lycoming SI 1129B. Performed operational check of engine IAW FAR 43.15 (c) (2) and found satisfactory. No outstanding AD's found against this engine through BW 2018-16, see AD list in logbook. All maintenance accomplished IAW Lycoming Operators Manual P/N 60297-10, Sec 4, per RMM section 1.000. I certify that this engine has been inspected IAW an ANNUAL inspection and was determined to be in airworthy condition.			
		A&P [REDACTED] A	
02-01-2019	N44BJ	Hobbs: 501.3	Engine TT: 1526.3
Performed a 100hr inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed cylinder compression check IAW Lycoming SI 1191A, compressions were: 1-74/80, 2-71/80, 3-74/80, 4-72/80, 5-70/80, 6-70/80. Changed oil and filter, serviced with 8qts Aeroshell W100plus and new filter. Complied with Lycoming SI 1080C by inspection of items for special attention. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps IAW Lycoming SB324F, next due @ TT: 1626.3. Checked alternator belt tension IAW Lycoming SI 1129B. Performed operational check of engine IAW FAR 43.15 (c) (2) and found satisfactory. No outstanding AD's found against this engine through BW 2019-02, see AD list in logbook. All maintenance accomplished IAW Lycoming Operators Manual P/N 60297-10, Sec 4, per RMM section 1.000. I certify that this engine has been inspected IAW a 100hr inspection and was determined to be in airworthy condition.			
		A&P [REDACTED]	

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 07-17-2018 Hobbs 295.8 Total Time 1320.8

Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil.

Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 76/80 #2 76/80 #3 78/80 #4 78/80 #5 66/80 #6 68/80.

Checked mag to engine timing (no adjustments needed). Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A

Knoxville Aviation [REDACTED] Knoxville Iowa USA

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 07-17-2018 Hobbs 295.8 Total Time 1320.8

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A

Knoxville Aviation [REDACTED] Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10-10-2018	N44BJ	Hobbs Time: 447.9 Troubleshoot rough running engine, cleaned and gapped all spark plugs, cleaned all fuel injector nozzles. Complied with Lycoming SB 388C by inspection and reaming of exhaust valves. Ran engine functionally checked operation and found normal. Aircraft is returned to service for work performed herein. [REDACTED] A&P [REDACTED]

11-08-2019 N44BJ Hobbs: 775.5 Engine TT: 1800.3
 Performed an ANNUAL inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed cylinder compression check IAW Lycoming SI 1191A, compressions were: 1-78/80, 2-70/80, 3-78/80, 4-73/80, 5-74/80, 6-70/80. Removed engine LH magneto, replaced starting breaker p/n AB382584, cleaned inspected, lubricated and reinstalled magneto. Replaced engine driven fuel pump p/n [REDACTED] s/n [REDACTED] Complied with Lycoming SI 1080C by inspection of items for special attention. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps IAW Lycoming SB324F. Checked alternator belt tension IAW Lycoming SI 1129B. Performed operational check of engine IAW FAR 43.15 (c) (2) and found satisfactory. No outstanding AD's found against this engine through BW 2019-21. All maintenance accomplished IAW Lycoming Operators Manual P/N 60297-10, Sec 4, per RMM section 1.000. I certify that this engine has been inspected IAW an ANNUAL inspection and was determined to be in airworthy condition.

[REDACTED] A&P [REDACTED] IA

Belongs on Pg 47

Am
1001

DA

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

39

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 7-19-2019

Hobbs 570.4 Total Time 1595.4

Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 74/80 #2 72/80 #3 72/80 #4 74/80 #5 68/80 #6 72/80. Removed magnetos and checked points for proper adjustment and reinstalled magnetos with new gaskets. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.

Signed

Danny Van Donselaar A/P I/A

Knoxville Aviation

Knoxville

Iowa USA

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 7-19-2019

Hobbs 570.4 Total Time 1595.4

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed

Danny Van Donselaar A/P I/A

Knoxville Aviation

Knoxville

Iowa USA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 8-04-2019 Hobbs 683.5 Total Time 1708.5

Complied with 100hr inspection in accordance with Textron Lycoming's operator manual and FAR 43, Appendix D. Serviced engine with 8 Quarts Aeroshell 100 plus engine oil. Removed and inspected oil filter and screen (no metal found). Installed new AA48108-2 oil filter and reinstalled oil screen. C/C #1 78/80 #2 72/80 #3 78/80 #4 74/80 #5 76/80 #6 66/80. Complied with AD 2015-19-07 by inspection of fuel injector lines and clamps. Ran engine and checked for leaks and proper mag drops.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

ENGINE LOG

Lycoming IO-540-AE1A5 S/N L-31987-48E

Date 08-04-2019 Hobbs 683.5 Total Time 1708.5

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

Signed [REDACTED] Danny Van Donselaar A/P [REDACTED] I/A
Knoxville Aviation [REDACTED] Knoxville Iowa USA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		Entry for Annual on 11-8-2019 belongs here, on Pg 37

07-02-2020

N44BJ

Hobbs: 871.4

Engine TT: 1896.2

Performed an ANNUAL inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed cylinder compression check IAW Lycoming SI 1191A, compressions were: 1-78/80, 2-71/80, 3-78/80, 4-78/80, 5-78/80, 6-77/80. Removed both magnetos, cleaned, inspected, lubricated and reinstalled magnetos. Complied with Lycoming SI 1080C by inspection of items for special attention. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps IAW Lycoming SB324F. Checked alternator belt tension IAW Lycoming SI 1129B. Performed operational check of engine IAW FAR 43.15 (c) (2) and found satisfactory. No outstanding AD's found against this engine through BW 2020-12. All maintenance accomplished IAW Lycoming Operators Manual P/N 60297-10, Sec 4, per RMM section 1.000. I certify that this engine has been inspected IAW an ANNUAL inspection and was determined to be in airworthy condition.

A&P [REDACTED] A

7-23-2020

Hobbs
965.7

TT: 1990.5

Performed an Annual Inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed Cylinder compression check IAW Lyc SI 1191A, compressions were: 1-78/80, 2-76/80, 3-78/80, 4-78/80, 5-78/80, 6-76/80. Changed oil & Filter serviced with 8qts W100 Plus oil & new Filter, checked IAW Lyc SB 480E no metal found. Complied with Lyc SI 1080C by inspection of items for special attention. Checked alternator belt tension IAW Lyc SI 1129B. Complied with AD 2015-19-07 by inspection of fuel injector lines. See next page.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-23-2020		and clamps IAW LyS SB 342F, next due @ Hobbs: 1065.7.
Continued-		No outstanding AD's found against this engine through BW 2020-14.
		Performed operational check of engine IAW FAR 43.15 (c)(2) and
		found satisfactory. I certify that this engine has been inspected
		IAW an Annual inspection and was determined to be in
		Airworthy Condition. [REDACTED] A&P [REDACTED] IA

06-24-2021 N44BJ Hobbs: 1004.2 Engine TT: 2029.0

Performed an ANNUAL inspection per Lycoming O-540/IO-540 Operators Manual, P/N 60297-10 section 4, per RMM section 1.000. Performed cylinder compression check IAW Lycoming SI 1191A, compressions were: 1-76/80, 2-74/80, 3-77/80, 4-76/80, 5-76/80, 6-72/80. Removed both magnetos, cleaned, inspected, lubricated and reinstalled magnetos. Complied with Lycoming SI 1080C by inspection of items for special attention. C/W AD 2015-19-07 by inspection of fuel injector lines and clamps IAW Lycoming SB324F. Checked alternator belt tension IAW Lycoming SI 1129B. Performed operational check of engine IAW FAR 43.15 (c) (2) and found satisfactory. No outstanding AD's found against this engine through BW 2020-12. All maintenance accomplished IAW Lycoming Operators Manual P/N 60297-10, Sec 4, per RMM section 1.000. I certify that this engine has been inspected IAW an ANNUAL inspection and was determined to be in airworthy condition.

[REDACTED] A&P [REDACTED] IA

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

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