

ENGINE LOG

DATE

19

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY
WITH NAME, RATING AND CERTIFICATE NUMBER

10-22-2020

N920JL

Tach: 2059.8

TT: 2059.8

SMOH: 591.0

Inspected engine this date IAW FAR 43 Appendix D. Compression check: #1 75/80
#2 76/80 #3 75/80 #4 76/80 Checked mag timing at 24 degrees BTDC. Drained oil and
serviced engine with 7 quarts Phillips XC 20-50. Removed and replaced oil filter, P/N
AA48110-2. Cut and inspected old oil filter, normal engine wear indicated. Cleaned,
gapped and rotated spark plugs. Checked exhaust and induction systems. Checked
and lubricated engine controls. AD98-02-08 PCW at tach time 1866.9, Next due at tach
time 2366.8. All work IAW Lycoming service manual as required. Post run-up and
leak check OK. AD's to date, 2020-20 T-Data. I certify this engine has been inspected
in accordance with an annual inspection and was determined to be in airworthy
condition. ----- END ----- Lance Lanning IA [REDACTED]

10/25/2020 19:35

ENG. SER.

ENG. SER.				
DATE 19__	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS

N920JL

09-28-2020

Tach: 2024.6

Drained oil and serviced engine with 7 quarts Phillips XC 20/50.
Removed and replaced oil filter P/N AA48110-2.
Cut and inspected old oil filter, normal engine wear indicated.
Run-up and leak check OK. All work IAW Lycoming & AA5
service manuals. ----- END -----
Lance Lanning AP [REDACTED]

10/25/2020 19:35

FORWARD TOTALS TO
TOP OF NEXT LEFT PAGE

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DATE

19__

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS
EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY
WITH NAME, RATING AND CERTIFICATE NUMBER

08-02-2020

N920JL

Tach: 1956.0

TT: 1956.0

SMOH: 487.2

Inspected engine this date IAW FAR 43 Appendix D. Compression check: #1 77/80 #2 74/80 #3 77/80 #4 75/80 Checked mag timing at 24 degrees BTDC. Drained oil and serviced engine with 7 quarts Phillips XC 20-50. Removed and replaced oil filter, P/N AA48110-2. Cut and inspected old oil filter, normal engine wear indicated. Cleaned, gapped and rotated spark plugs. Checked exhaust and induction systems. Checked and lubricated engine controls. Replaced carburetor with overhauled unit from Marvel Scheibler, Model MA-4SPA, P/N 10-5009, S/N MS0DPA08. Work order number 0DPA. 8130-3 form placed with aircraft records. Replaced mechanical fuel pump with new unit from Lycoming, P/N LW-15472, S/N 2420L0033. 8130-3 form placed with aircraft records. AD98-02-08 PCW at tach time 1866.9, Next due at tach time 2366.8. All work IAW Lycoming service manual as required. Post run-up and leak check OK. AD's to date, 2020-14 T-Data. I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. ----- END ----- Lance Lanning IA [REDACTED]

10/25/2020 19:36

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175



AirStar Flight Support, Inc.
23 Airport Road
Swainsboro, Georgia 30401
706-310-9428

ACFT: N920JL
MFG: Textron Lycoming
M/N: O-320-E2G
S/N: L-31728-27A

DATE: 05/12/2020 **HOBBS:** 1866.9
TACH: 1866.9

- 2.1 - Complied with annual inspection in accordance with 14CFR43 app (d)
- 2.2 - Performed hot cylinder compression checks with results as follows: #1 74/80, #2 75/80, #3 65/80, #4 70/80.
- 2.3 - Performed oil and filter change with an AA48110-2 oil filter and 8 qts of Phillips 20W50XC oil.
- 2.4 - Repaired the engine baffle and replaced the rubber baffle material as required.
- 2.5 - Replaced all 8 spark plugs with new UREM38E plugs.
- 2.6 - AD 2009-26-12 is Not Applicable. ECI cylinders not installed
- 2.7 - Complied with AD 98-02-08 by inspection. No corrosion pitting found. NEXT DUE TACH 2366.87
- 2.8 - AD 2012-03-07 is Not Applicable, affected carb is not installed.
- 2.9 - AD 2015-02-07 is Not Applicable, Prop governor is not installed
- 2.10 - AD 2017-16-11 is Not Applicable by engine serial number.
- 2.11 - Replaced the fuel pressure line from the carb to the firewall and cleaned and purged the fuel line from the gauge to the firewall and cleaned and purged the fuel tank vent lines.

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

[REDACTED]
Brian Williamson (BWILLIAMSON)

Certificate #:

[REDACTED]
10/25/2020 19:36

ENGINE LOG

Engine

Date 02/01/2009 Lycoming O-320-E2G Serial#L-31728-27A

Aircraft Grumman AA-5 N920JL Tach:1865.20 SMOH:1032.31 STOH:388.39

Engine Compression Check #1 64/80, #2 68/80, #3 74/80, #4 68/80. Changed Oil, Replaced Oil Filter CH48110, cleaned screen, and serviced with 8 qts of Aeroshell100. Serviced air filter, cleaned and gapped Spark Plugs. Engine Timing checked per Grumman American Service Manual. Washed Engine and lubed linkages. AD 98-02-08 / Mandatory Service Bulletin #505B Next Due Date 02/01/2014 (removed Propeller and expansion plug in crankshaft end inspected crankshaft for corrosion none found. Replaced expansion plug and installed propeller). All AD's C/W thur this date. Engine Run-Up Good no Leaks. I certify this aircraft engine has been inspected IAW an annual inspection and determined to be airworthy.

Durwood Miller, IA

10/25/2020 19:36

ENGINE LOG

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WITH NAME, RATING AND CERTIFICATE NUMBER

~~Aug 5, 1999~~ 1999

Total Time 1468.8 00.00 TSMOH

Engine overhauled to service limits in accordance with factory overhaul manual P/N 60294.7 dated Dec 1974 and subsequent revisions w/ reference to parts manual PC-703 dated April 1970. Inspected crankcase w/ die penetrant. All steel parts magnafluxed. Rocker arms, rods lifters and gears inspected and certified by Aircraft specialists on WO 88956. Crankshaft certified by REA per W.O #75263 and Camshaft reground & certified by Aircraft Specialists per WO #86845. Replaced all bearing inserts, piston rings, seals and gaskets. Cylinders overhauled by

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

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NC

ENG. SER.

DATE
19__TACH.
TIMETHIS
FLIGHT

TOTAL TIME

REMARKS

SIGNATURE AND
CERTIFICATE NO.

cont - Central Air Motive per WO #14408.
 Installed new pistons PIN 75089 per
 STC-SA683N.E. FAA form 337 on file.
 Engine requirement for 100LL only and
 red line marked at 2650. Complied w/
 the follow AD's at Overhaul:

59-10-07 Cyl. baffle clamps

64-16-05 Oil Seal failure

73-23-01 Piston Pin

75-08-09 Oil pump

80-04-03 Push Rods

81-18-04 R2 Oil Pump

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TOP OF NEXT LEFT PAGE

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ENGINE LOG

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WITH NAME, RATING AND CERTIFICATE NUMBER

87-10-06 R1 - Rocker arm assemblies ✓

91-14-22 Crankshaft gear bolts ✓

92-12-05 Piston Pin failure

95-07-01 Connecting Rod bolts ✓

96-09-10 Oil Pump

97-01-03 Piston Pin

97-15-11 Piston Pin

98-02-08 Crankshaft Corrosion

No accessories overhauled at this time
Carb. overhauled and installed one piece
venturi and metal float.

93-18-03 Carb

98-01-06 Carb.

93-18-04 Carb

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

10/25/2020 19:40

ENG. SER.

DATE
1999TACH.
TIMETHIS
FLIGHT

TOTAL TIME

REMARKS

NC

SIGNATURE AND
CERTIFICATE NO.~~1468~~ 5, 1998 1999

Total Time 1468.8 00.00 SMOH

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

42400 TNA-1468 SMOH-0

I certify I have inspected this engine & saw an
annual inspection & was determined to be airworthy on
this date.

FORWARD TOTALS TO
TOP OF NEXT LEFT PAGE

10/25/2020 19:40

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

10-22-2020

N920JL

TT: 2059.8

Tach: 2059.8

Inspected airframe this date IAW FAR 43 Appendix D. Checked all wing, tail and gear attach points, Checked and Lubricated all cables, pulleys and fairleads. Checked and lubricated all flight controls. Performed light check and cabin area check. Checked all wheels, tires and brakes. Removed all wheels. Cleaned, inspected, repacked and reinstalled all wheel bearings. Replaced nose tire with new Condor 5.00-5/6/120, 072-312-0, S/N 0113T00067. 8130-3 form placed with aircraft records. Set all tire pressures, 21 PSI nose & 24 PSI mains. Reinstalled all wheels and saftied. Replaced all brake pads with new, P/N 066-10500. Checked Brackett induction filter, P/N BA-4108, next due for replacement in 100 hours. ELT tested in accordance with FAR 91.207 (d). Operational check OK. ELT battery next due 02/2025. C/W AD79-22-04, paragraph (a) by inspection per AD text, no defects noted, Next due at tach 2159.8. C/W AD72-06-02, paragraph (a) by inspection per AD text, no defects noted, Next due at tach 2159.8. ADs to 2020-20 T-Data. All work IAW Gruman AA-5 service manual as required. Post run-up and system checks OK. I certify this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. ---- END ---- Lance Lanning IA [REDACTED]

10/25/2020 19:45

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

DATE
AIRCRAFT TIME
IN SERVICE

08-02-2020

N920JL

TT: 1956.0

Tach: 1956.0

Inspected airframe this date IAW FAR 43 Appendix D. Checked all wing, tail and gear attach points, Checked and Lubricated all cables, pulleys and fairleads. Checked and lubricated all flight controls. Performed light check and cabin area check. Checked all wheels, tires and brakes. Replaced Brackett induction filter, P/N BA-4108. Replaced right fuel tank sump drain valve with new, P/N CAV-110H-4. ELT tested in accordance with FAR 91.207 (d). Operational check OK. ELT battery next due 02/2025. C/W AD79-22-04 by inspection per AD text, no defects noted, Next due at tach 2056.0 C/W AD72-06-02 by inspection per AD text, no defects noted, Next due at tach 2056.0 ADs to 2020-14 T-Data. All work IAW Gruman AA-5 service manual as required. Post run-up and system checks OK. I certify this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. ---- END ----
Lance Lanning IA [REDACTED]

10/25/2020 19:45

N 920JL MAKE AMERICAN AVIATION MODEL AA-5

THE ALTIMETER AND STATIC SYSTEM TESTS REQUIRED BY F.A.R. PART 91.411
HAS BEEN PERFORMED THIS DATE 12 MAY 20

ALTIMETER TESTED IN COMPLIANCE WITH APPENDIX E PART 43
TO 20000 FEET. DATE 12 MAY 20 STATIC SYSTEM CHECK
PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA. F.A.A.

R/S#HS4R243M

SIGNED

DATE 12 MAY 20

UNITED

FENC TO STOP

14W FAR

STD ALT

43

APPE PANAC

DATE 12 MAY 20

I CERTIFY THIS ATC TRANSPONDER

(MAKE) XARCO

(MODEL) AT-50A

(SERIAL#) — HAS BEEN TESTED, INSPECTED AND FOUND TO
COMPLY WITH APPENDIX F OF F.A.R. 43 AND PART 91.413. FAA. R/S#HS4R243M

SIGNED

DATE 12 MAY 20

TESTS PERFORMED BY RAY ALLEN'S ELECTRONICS, INC. BUTLER, GA.

10/25/2020 19:46

RAY ALLEN'S ELECTRONICS, INC.
53-A6 Hanger Drive • Butler, Georgia 31006
Ph. 478-862-3033 • FAA CRS #HS4R243M

test alt. ft.	tol.	actual +or-ft.	friction	tol.	actual +or-ft.	case leak
-1000	20	-20	1000	70	40	0
0	20	-5	2000	70	35	hysteresis
500	20	-10	3000	70	40	+or-ft.
1000	20	0	5000	70	50	50/ +20
1500	25	0	10000	80	60	40/ +10
2000	30	+5	15000	90	75	after effect
3000	30	+5	20000	100	85	tot + ft.
4000	35	-5	25000	120		20
6000	40	+10	30000	140		
8000	60	-25	35000	160		
10000	80	-30	baro scale check			date
12000	90	-20	tol. +or-ft. + scale			12 MAY
14000	100	-15	error			2020
16000	110	-15	im.mg	mon.	actual	N92041
18000	120	-10	28.10	-1727	1710	AMERICAN
20000	130	-10	28.50	-1340	1335	ALHITION
22000	140		29.00	-863	855	AA-5
25000	155		29.50	-392	395	VARCO
30000	180		29.92	.0	0	AT-50A
35000	205		30.50	+531	535	UN
			30.90	+893	915	SH
			30.99	+974	975	ALH

10/25/2020 19:46

INSPECTION RECORD

F.A.R. 43.11-91.409



AirStar Flight Support, Inc.
23 Airport Road
Swainsboro, Georgia 30401
706-310-9428

ACFT: N920JL
MFG: Grumman
M/N: AA-5
S/N: AA50176

DATE: 05/12/2020 HOBBS: 1866.9
TACH: 1866.9

- 1.1 - This aircraft has been inspected and found safe for intended flight in accordance with Special Flight Permit dated April 2020
- 1.2 - Complied with annual inspection. I certify that this aircraft has been inspection in accordance with an annual checklist has been determined to be airworthy.
- 1.3 - Installed a new ACK ELT E-04 drop in replacement for the existing ELT. ELT serial number 31221 installed see FAA form 337. ELT test and check good in accordance with 14CFR 91.207 BATTERY EXPIRES FEB 2025.
- 1.4 - Replaced both main tires with new Airhawk 6.00x6 6 ply tires with a new leak guard 15/6.00-6 tube on the RH side. Replaced the NLG tire with a new Airhawk 5.00-5 tire, all in accordance with the AA5 AMM.
- 1.5 - Installed uAvionix tail beacon ADSB solution accordance with installation instructions provided. Unit installed in the existing tail light position. See FAA form 337 for details.
- 1.6 - Replaced the air induction filter element with a new BA4108 element.
- 1.7 - Replaced the vacuum and instrument air filters with new ARB3-5-1 and AD9-18-1 filters.
- 1.8 - Complied with AD 72-06-02R3 by inspection. No defects found. NEXT DUE TACH 1966.87
- 1.9 - Complied with AD 79-22-04 by inspection. No defects found. NEXT DUE TACH 1966.87
- 1.10 - Replaced the filter and gasket on the electric fuel pump with a FEP43270 facet filter kit.
- 1.11 - Replaced the seal on the nose wheel caster wit a new MS29513-224 seal. Cleaned and lubricated the nose gear assembly.
- 1.12 - Replaced the battery in the ELT remote switch with a new Duracell 28L battery NEXT DUE MAY 2030 and the battery in the ELT audio alerter with a new Duracell CR2 NEXT DUE MAR 2028.

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

Brian Williamson (BWILLIAMSON) Certificate #:

10/25/2020 19:47

☐ HU



AirStar Flight Support, Inc.
23 Airport Road
Swainsboro, Georgia 30401
706-310-9428

ACFT: N920JL
MFG: McCauley Propeller Systems
M/N: 1C172/MTM
S/N: N/A

DATE: 05/12/2020 HOBBS: 1866.9
TACH: 1866.9

Year: _____

Date: _____

3.1 - Complied with annual inspection in accordance with 14CFR43 app (d)

Next Inspection Due:

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

Year: _____

Date: _____

08-02-2020

N920JL

Tach: 1956.0

Next Inspection Due:

Time Over:

Inspected propeller this date. Dressed blades as needed. AD's to date, 2020-14 T-Data. I certify this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. ----- END ----- Lance Lanning IA [REDACTED]

Year: _____

Total in S:

Date: _____

10-22-2020

N920JL

Tach: 2059.8

Next Inspection Due:

Inspected propeller this date. Dressed blades as needed. AD's to date, 2020-20 T-Data. I certify this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. ----- END ----- Lance Lanning IA [REDACTED]

10/25/2020 10:48

REVISED WEIGHT AND BALANCE
AND SUPPLEMENTAL EQUIPMENT LIST
SEPTEMBER 2, 2003

AIRCRAFT DATA
MANUFACTURER AMERICAN
MODEL AA5
SERIAL No. AA5-0176
REGISTRATION N920JL
WORK ORDER 2102

SUPERSEDES WEIGHT AND BALANCE DATED MARCH 25, 2003.

PREVIOUS EMPTY WEIGHT	ARM	MOMENT
1319.10	80.79	106578.44

EQUIPMENT INSTALLED + WHELEN HAD STROBE P/S	2.00	125.00	250.00
TOTAL INSTALLED			

NEW AIRCRAFT WEIGHT	WEIGHT	ARM	MOMENT
	1321.10	80.86	106828.44

GROSS EMPTY WEIGHT: 2200 LBS
NEW EMPTY WEIGHT: 1321.10 LBS
USEFUL LOAD: 878.90 LBS
AUTH SIGNATURE:

[REDACTED]

MONARCH AVIATION, INC.
1931 HWY 90 WEST, DeFUNIAK SPRINGS, FL. 32433.
FAA CERTIFIED REPAIR STATION #V9MR 280Y
1-850-951-1000

10/25/2020 19:55