

4/29/2024 N3687L Aircraft M/N: 172G S/N: 17253856 ACTT: 6255.7FLT: 940.0 Tach: 180.1 Hobbs: 2103.3

- 2011-10-09, seat track inspection, two crack, next due at 6355.7
- 76-07-12-R1, Ignition switch check, found to be good, next due at 6355.7
- 73-03-03 R3, flap retraction system, found to be good, next due 6355.7

Complied with 100 hour Inspection per 14 CFR 43 Appendix D. Removed panels as required to facilitate inspection. Inspected flight controls, cables, and pulleys. Lubed as required. Cleaned, inspected, and repacked all wheel bearings. Checked tire pressures. Serviced battery. Check stall horn, pitot heat and lights, all found to be good. Removed and installed fuel strainer screen for inspection, no defects noted. Installed induction air filter element P/N BA-6108. Inspected ELT per 14 CFR 91.207(d). ELT battery due May 2027. Operational check satisfactory. All applicable AD's check through this date, see AD listing. Replaced missing cowling screws. Repainted bare metal spots on cantilever, vertical stabilator, and right wing. Replaced tube and tire on the right main with 6x6.00 aero trainer tire and GL-6020B tube. Fixed pilot side secondary seat belt. Re attached baggage door lock. Replaced broken connector fir the marker beacon. Removed corrosion under battery box and right main landing gear and painted. Replaced all 4 brake pads PN 66-105. Replaced rivet on the right wing, inboard near the fuselage. Fixed co-pilot door handle and replaced screw in the door panel. Cleaned and reinstalled primer nozzles. All work performed reference to Cessna 172G MM unless otherwise noted. Runup and leak check satisfactory. I ce this AIRCRAFT has been inspected in accordance with an 100 hour Inspection and was determ to be in airworthy condition.

Grant Sharpe A [redacted]

FAR 91.413			
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F AND APPENDIX E PARAGRAPH C.			
TRANSPONDER #1	MAKE: Appareo	MODEL: ESG	S/N: 042740
TRANSPONDER #2	MAKE: -	MODEL: -	S/N: -
DATE: 04/18/2024	WO: 11803	INSPECTOR: [redacted]	
CAROLINA AVIONICS GROUP, LLC			
N3687L FAA APPROVED REPAIR STATION # QCCR-389K			

FAR 91.411			
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E PART 43			
ALTIMETER CERTIFIED TO			
LEFT	FEET	RIGHT	FEET
20,000		20,000	
S/N: [redacted]		S/N: [redacted]	



AIR PLAINS SERVICES

CRS: MNYR085K

N3687L

WO: 033010

12/13/2023

Airframe LogTach: 0.0 ACTT: 6083.8

Installed Lycoming O-360-A4M Engine, TT: 0.0 & Sensenich 40EM8S14-0-60 Propeller, TT: 0.0 in accordance with **AIR PLAINS SERVICES, CORP. STC SA4428SW**. Installed new: engine mount, engine shock mounts/hardware, muffler, #1, #3 & #4 exhaust stacks, fuel/oil lines, oil cooler, starter, alternator, alternator belt, voltage regulator, air filter, flexible air hoses, baffles/seals & induction airbox. Installed serviceable exhaust stack on #3 cylinder due to supply chain issues. Weighed aircraft per Cessna 172 Maintenance Manual and amended weight, balance, and equipment list. For details of modifications performed, reference **FAA Form 337 Dated: 12/13/2023**.

New Engine Serial #: L-44162-36E

Propeller Serial #: 107638KD

Alternator Serial #: H-X081618

Starter Serial #: H-X062361

New Gross Weight:

2300 lbs.

New Empty Weight:

1467 lbs.

New Useful Load:

833 lbs.

Empty Weight C. G.:

37.33

This Aircraft was inspected in accordance with current regulations of the FAA and is approved for return to service.

Signed R. Bulger

Inspector



AIR PLAINS SERVICES

CRS: MNYR085K

N3687L

WO: 033011

12/13/2023

Airframe LogTach: 0.0

Installed new bayonet style CHT probes. Installed new parking brake actuating cable. Installed new starter relay per STC SA4428SW. Installed serviceable battery box on firewall. Set tach time to 0.0 on Garmin G1275 and adjusted engine limitations per Air Plains Supplemental Aircraft Flight Manual Document No. 172041.

This Aircraft was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.

Signed R. Bulger

Inspector CRS

10/19/2023 **N3687L Aircraft** M/N: 172G S/N: 17253856 ACTT: 6060.4 FLT: 744.7
Tach: 11208.2 Hobbs: 1831.6

2011-10-09, seat track inspection, two crack, next due at 6160.4.

76-07-12-R1, Ignition switch check, found to be good, next due at 6160.4.

96-12-22, oil filter adapter, no leaks, next due 6160.4.

73-03-03 R3, flap retraction system, found to be good, next due 6160.4.

Complied with **Annual** Inspection per 14 CFR 43 Appendix D. Removed panels as required to facilitate inspection. Inspected flight controls, cables, and pulleys. Lubed as required. Cleaned, inspected, and repacked all wheel bearings. Checked tire pressures. Serviced battery. Check stall horn, pitot heat and lights, all found to be good. Removed and installed fuel strainer screen for inspection, no defects noted. Installed induction air filter element P/N BA-6108. Inspected ELT per 14 CFR 91.207(d). ELT battery due May 2027. Operational check satisfactory. All AD's check through this date, see AD listing 10/19/2023. Replaced missing exhaust clamp bolt P/N: AN3-4A. Re-safety right wing drain sump. Replaced all 4x main gear brake linings P/N: 66-10500. All work performed in reference to Cessna 172G MM unless otherwise noted. Runup and leak check satisfactory. I certify this **AIRCRAFT** has been inspected in accordance with an **Annual** Inspection and was determined to be in airworthy condition.

Joseph J. Cala

e	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks
UGHT FORWARD			
			4/29/2024 N3687L Engine M/N: O-360-A4M S/N: L-44162-36E FLT: 940.0 Tach: 180.1 TSMOH: 195.3 Eng TT: 195.3 Complied with 100 hour Inspection per 14 CFR 43 Appendix D. Performed compression check: 1: 78/80 2: 79/80 3: 73/80 4: 76/80. Drained oil. Removed and split oil filter for inspection. No defects noted. Installed new filter P/N AA48110-2. Serviced with 7 quarts Aeroshell W100. All applicable AD's check through this date, see AD listing. Removed, cleaned and gap-checked all spark plugs and reinstalled. Resecured exhaust clamps cylinder 1 and 3. Adjusted mixture to hit both stops. All work performed in reference to Cessna 172G MM and Lycoming O-360 Overhaul Manual unless otherwise noted. Runup and leak check satisfactory. I certify this ENGINE has been inspected in accordance with an 100 hour Inspection and was determined to be in airworthy condition.
			Grant Sharpe A&P 

Date	Time Run (Hours)	Total Time Since Overhaul	Repairs, Adjustments, Service, Remarks	Signature
BROUGHT FORWARD				
			 AIR PLAINS SERVICES CRS: MNYR085K N3687L WO: 033010 12/13/2023 <u>Engine Log</u> <u>Tach: 0.0 TSN: 0.0</u> Installed Lycoming O-360-A4M Engine, 0.0 TOTAL TIME SINCE NEW into Cessna N3687L SN: 17253856. Installed Sensenich 76EM8S14-0-60 Propeller, 0.0 TOTAL TIME SINCE NEW. Modifications performed in accordance with AIR PLAINS SERVICES, CORP. STC SA4428SW. Serviced engine with Phillips 20W-50M oil. For details of modifications performed, reference FAA Form 337, Dated: 12/13/2023. Engine Serial #: L-44162-36E Propeller Serial #: 107638KD Carburetor Serial #: AV55916884 LH Mag Serial #: 23020333 RH Mag Serial #: 22070071 This Engine was inspected in accordance with current regulations of the FAA and is approved for return to service. Signed R. Bulger  Inspector 	
			 AIR PLAINS SERVICES CRS: MNYR085K N3687L WO: 033011 12/13/2023 <u>Engine Log</u> <u>Tach: 0.0</u> Removed LH Lycoming Electronic Ignition System and installed Slick 4373 Magneto S/N: 23020333 IAW Lycoming Direct Drive Overhaul Manual and Slick 4300/6300 Series Magneto Maintenance and Overhaul Manual. This Engine was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Signed R. Bulger  Inspector CF 	
			Tach: 793.3	

4/29/2024 N3687L Aircraft M/N: 172G S/N: 17253856 Sensenich
76EM8S14-0-60 S/N: 107638KD ACTT: 195.3 FLT: 940.0 Tach: 180.1

Complied with 100 hour Inspection per 14 CFR 43 Appendix D. Dressed propeller blades as required. All applicable AD's check through this date, see AD listing. I certify this PROPELLER has been inspected in accordance with an 100 hour Inspection and was determined to be in airworthy condition.

Grant Sharpe A&P



AIR PLAINS SERVICES

CRS: MNYR085K

N3687L

WO: 033010

12/13/2023

Propeller Log

Tach: 0.0 TSN: 0.0

Sensenich 76EM8S14-0-60 Propeller, 0.0 TOTAL TIME SINCE NEW into Cessna N3687L SN: 17253856. Installed in accordance with AIR PLAINS SERVICES, CORP. STC SA4428SW. For details of modifications performed, reference FAA Form 337, Dated: 12/13/2023.

Propeller Serial #: 107638KD

This Propeller was inspected in accordance with current regulations of the FAA and is approved for return to service.

Signed R. Bulger

Inspector