

ENGINE LOG





12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Engine log entry (07-08-2025)

N200JP Engine TIO540-AE2A S/N L-14107-61A HM & Engine total time 1650.1

Inspected engine per MAS PA46-350P inspection guide. Cleaned, gapped, and tested all Spark plugs. Performed compression tests. Results: #1 78/80, #2 72/80, #3 72/80, #4 79/80, #5 75/80, #6 78/80. Changed oil and filter. Examined filter and suction screen for debris. No defects noted. Installed new filter and serviced engine with 11qts of Phillips X/C 20W50. Magnetos timed to 20°. Replaced #2 lower spark plug lead spring PN: M2929. Replaced #6 cylinder barrel nut and sealed all four. Re-torqued all engine mount to firewall mounting bolts. C/W **Lycoming SB 521** Exhaust inspection. Due next annual or Hobbs 1900.1. C/W **Lycoming SB 531** turbocharger inspection. Replaced both turbos mounting bracket bolts with new ones PN: LW31SS0-88. Due next annual or Hobbs 1900.1. C/W **AD 84-26-02** Induction air filter replacement PN: P15-1936. Next due Hobbs 2150.1. C/W **AD 2015-19-07** Fuel Injection line inspection, nothing abnormal noted. Due next annual or Hobbs 1760.1 C/W **Lycoming AD 2024-21-02** Reoccurring paragraph G1, amendment 39-22869. Engine and performed engine run up and operational checks. Operations satisfactory.

I certify that this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition.

Randall Huelsman

IA 3021808



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Date: 08/12/2024 Engine Hours & TTSN: 1513.5

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Tempest AA48103-2 filter. Inspected the old oil filter for abnormalities, none found. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

Date: 09/24/2024 Hobbs Hours & Engine TTSN: 1562.4

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A

Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Tempest AA48103-2 filter. Inspected old filter for abnormalities, none found. C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Solvent washed and ground run engine, no leaks or problems noted.

John B. Yost A&P 503982310

John B. Yost

Date: 11/06/2024 Hobbs Hours & Engine TTSN: 1602.5

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A

Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Tempest AA48103-2 filter. Inspected old filter for abnormalities, none found. Solvent washed and ground run engine, no leaks or problems noted.

John B. Yost A&P 503982310

John B. Yost

Date: 03/30/2025 Hobbs Hours & Engine TTSN: 1631.3

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A

Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old filter for metal, none found. C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Ground run engine, no leaks or problems noted. *John B. Yost*

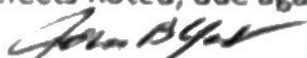
John B. Yost A&P 503982310

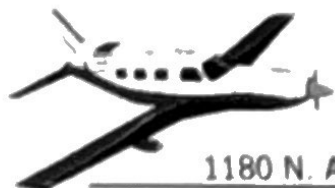
and Remarks

Signature

Certificate No.

Date: 04/17/2024 Engine Hours & TTSN: 1427.8

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old oil filter for metal, none found. C/W AD 11-06-10 Par. (g)(3) by replacement of TIT probe with new P/N 686-216, next probe replacement due @ 1677.8 ACTT (Each 250 hours). C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Solvent washed and ground run engine, no leaks or problems noted.  John B. Yost A&P 503982310



Midwest Malibu Center

Specializing in the PA46


www.MidwestMalibuCenter.com

1180 N. Airport Road • Hutchinson, KS 67501 • 620.728.1356 • Fax 620 662.0123

Engine

Log REG N200PJ MODEL TIO 540-AE2A SERIAL RL-14107-61A HOBBS 1460.9

6/28/2024 Engine total time 1460.9 hrs. Inspected engine per Midwest Malibu Center, Inc. PA46 Inspection Guide. Checked engine compressions #1 72/80; #2 77/80; #3 72/80; #4 76/80; #5 75/80; #6 75/80 Changed oil & filter. Cut open filter and examined suction screen to check for metal contamination, None noted Serviced engine with Phillips XC 20W50 oil Cleaned breather tube. Installed new upper and lower crossover clamps. Internally inspected magnetos Installed new LH and RH mag primary points. Reassembled mags, reinstalled and time to engine. AD 2023-09-09 Exhaust turbine system. N/A due to clamp design. C/W AD 2015-19-07 fuel line inspection No defects noted Next inspection due by 6/2025 or hm 1560.9 C/W Lycoming SB 521 exhaust inspection No defects noted Next inspection due by 6/2025 or hm 1710.9 C/W Lycoming 531C turbocharger inspection. No defects noted Next inspection due by 6/2025 or hm 1710.9 C/W Lycoming SI 1422A exhaust inspection. No defects noted Washed engine, performed run-up and functional checks. Operations satisfactory Work performed in accordance with Lycoming Direct Drive Overhaul Manual

that this engine has been inspected in accordance with an annual inspection and was found to be in good condition. Tony Beauchamp A&P 3287154 !A 

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Date: 11/03/2023 Engine Hours & TTSN: 1261.6

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old oil filter for metal, none found. C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

Date: 12/19/2023 Engine Hours & TTSN: 1301.2

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old oil filter for metal, none found. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

Date: 01/22/2024 Hobbs Hours & Engine TTSN: 1338.1

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A

Compression test #1 72/80 #2 77/80 #3 66/80 #4 78/80 #5 78/80 #6 77/80. Serviced, tested, and rotated all spark plugs. Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old filter for metal, none found. Replaced cracked exhaust transition P/N 47C21952 using new P/N 77611 and P/N 75845 gaskets. C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

Date: 02/23/2024 Engine Hours & TTSN: 1371.6

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A

50XC oil and Champion CH48103-1 filter. Inspected old oil filter for metal, none found. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

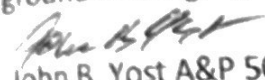
and Remarks

Signature

Certificate No.

Date: 06/29/2023 Engine Hours & TTSN: 1121.9

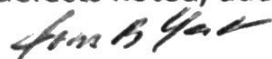
N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced engine with 12 qts. of Phillips 20W-50 XC oil and installed new Tempest AA48103-2 filter. Inspected old oil filter for metal, none found. Solvent washed and ground run engine, no leaks or problems noted.



John B. Yost A&P 503982310

Date: 08/10/2023 Engine Hours & TTSN: 1163.8

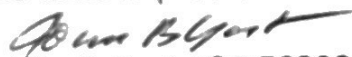
N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old oil filter for metal, none found. C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Solvent washed and ground run engine, no leaks or problems noted.



John B. Yost A&P 503982310

Date: 09/13/2023 Engine Hours & TTSN: 1193.1

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced engine with 12 qts. of Phillips 20W-50 XC oil and installed new Champion CH48103-1 filter. Inspected old oil filter for metal, none found. Ground run engine, no leaks or problems noted.



John B. Yost A&P 503982310

Date: 09/26/2023 Engine Hours & TTSN: 1218.1

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced with 12 qts. of Phillips 20W-50XC oil and Champion CH48103-1 filter. Inspected old oil filter for metal, none found. Removed both #1 (upper) and #2 (lower) Aero Accessories Tempest vacuum pumps and installed New FAA/PMA approved RAPCO pumps, #1 upper P/N RAP441CC-17, S/N C5773 and #2 lower P/N RAP442CW-6, S/N D10887. Installed new upper drive seal P/N 06A19956 and all installation gaskets. Replaced vacuum system filters with new and set vacuum pressures to specs. Solvent washed and ground run engine, no leaks or problems noted.



John B. Yost A&P 503982310

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Lycoming TIO-540-AE2A sn L-14107-61A May 11/2023 Tach 1057.5 TTE 1057.5
 Removed cylinders for overhaul to Central Cylinder Service Inc. Omaha WO
 21292. Replaced Valve guides and exhaust valves, ground seats and intake valves,
 replaced piston rings, refaced rocker arms refaced exhaust ports new studs honed
 cylinders assembled valves, fit piston rings inspected and painted. Reinstalled on
 engine IAW lycoming TIO-540-AE2A overhaul manual and SB 1029 Case Torque
 instructions and SSP-1776-5. Serviced with Phillips 20x50 M oil. CW AD 15-19-07
 Fuel Injectors Cleaned and Installed with new o-rings IAW MSB no.342G. Tit probe
 due replacement 1181.0 pep AD 11-06-10. test run/ oil leak test was good.
 I certify that this engine has been inspected IAW a 100 Hr inspection and was
 determined to be in an airworthy condition. Ads current this date.

Gaylord A. Syrstad
 Gaylord A. Syrstad A&P 3024178 IA G's Aviation Service LLC

Date: 06/05/2023 Engine Hours & TTSN: 1079.7

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced engine with 12 qts. of Philips
 20W-50 XC oil and installed new Tempest AA48103-2 filter. Inspected old oil filter for metal, none found. Solvent washed and
 ground run engine, no leaks or problems noted.

John B. Yost
 John B. Yost A&P 503982310

and Remarks

Signature

Certificate No.

Date: 11/04/2022 Engine Hours & TTSN: 994.4

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced engine with 12 qts. of Philips 20W-50 XC oil and installed new Tempest AA48103-2 filter. Inspected old oil filter for metal, none found. Tightened alternator mounting bolts and re-saftied. Replaced broken ring connector at spinner bulkhead on prop deice system and ops. checked satisfactory. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

Date: 11/18/2022 Engine Hours & TTSN: 999.0

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Replaced defective #2 Hartzell alternator P/N ALU-6539-3 S/N H-P051192 with new Hartzell P/N ALU-6539LS S/N H-W110367. Removed -3 drive pulley from old unit and installed on new alternator. Replaced cracked tension link arm with serviceable P/N 07F21298. Ground run up performed satisfactory. John B. Yost A&P 503982310 *John B. Yost*

Date: 01/18/2023 Engine Hours & TTSN: 1037.0

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Changed oil and filter, serviced engine with 12 qts. of Philips 20W-50 XC oil and installed new Tempest AA48103-2 filter. Inspected old oil filter for metal, none found. C/W AD 15-19-07 by inspection of fuel injector lines per SB 342G, no defects noted, due again each 110 hours or line removal. Solvent washed and ground run engine, no leaks or problems noted.

John B. Yost
John B. Yost A&P 503982310

Date: 02/15/2023 Engine Hours & TTSN: 1054.2

N200JP Engine Logbook Entry for TIO-540-AE2A S/N L-14107-61A Compression test performed: #1 72/80 #2 76/80 #3 77/80 #4 77/80 #5 75/80 #6 72/80. Installed new Tempest AA48103-2 filter. Inspected old oil filter for metal, none found. Solvent washed and ground run engine, no leaks or problems noted. *John B. Yost* John B. Yost A&P 503982310

ENGINE LOG

(14) Complied with 500 hour slick magneto inspection by installation of the following new parts: left magneto P/N 6363 S/N 22030688 (S/N OFF 14080746), right magneto P/N 6360 S/N 22060307 (S/N OFF 14071340),
- System checks good with no discrepancies noted.

REF: Lycoming Operator's Manual Section 5.

(15) Installed new ignition harness assy P/N M6044R, 2 each magneto adapter gaskets P/N 62224, and magneto gaskets P/N 12681.
- Timed magnetos to spec.

(19) Complied with AD 2011-06-10 [Recurring] To prevent improper engine operation caused by improperly calibrated T.I.T indicators or defective T.I.T. probes, contd, by installation of new T.I.T. probe P/N 686-216. System checks good with no discrepancies noted.
- Next Due. 1181.0 or 250 Hours

(21) Complied with the Lycoming MSB 342H, the fuel nozzle line inspection.

(22) Complied with AD 2015-19-07, the fuel nozzle inspection in accordance with Lycoming MSB 342H.

(28) Complied with Lycoming SB 521 and 531 the exhaust system slip joint inspection.

- Disassembled the exhaust system, polished, and lubricated all slip joint per Lycoming MSB 521 and 531, no discrepancies noted.

(29) Complied with the rocker arm and valve wobble 400 hour inspection in accordance with Lycoming SL, no discrepancies noted at this time

(30) Removed the Tannis engine pre heater due to disrepair and Beyond Economic Repair (BER).

(32) Complied with AD 84-26-02, the paper air filter.

- Installed a new engine paper air filter P/N P151936.

- Next due: 1431 TT

THE AIRCRAFT AND / OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES FOR AN INSPECTION PROGRAM REQUIRED BY FAR 91-409 (d) AND HAS BEEN FOUND TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.
COMPLIED WITH ANNUAL INSPECTION

DATE: 20 July, 2022

SIGNED:

Gerald Huggins, IA: 2003581

Work Order: 5971-05-2022

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Date: 09/28/2022 Engine Hours & TTSN: 962.2

N200JP Engine Logbook Entry for TIO-540-AE2A S/N: L-14107-61A Changed engine oil and filter this date. Inspected old oil filter, no metal found. Installed a new Champion CH48103-1 oil filter and serviced with 13 qts. of Aeroshell 15W-50 oil. Reconnected upper vacuum pump cooling SCAT duct. Solvent washed and ground run engine, no leaks or problems noted.

John B. Yost A&P 503982310

ENGINE MODEL:
TIO-540-AE2A
ENGINE S/N: L-14107-61A
REG. NO N200JP
WORK ORDER:
5971-05-2022



G. H. Enterprises, Inc.

9210 CE Woolman Dr.
Baton Rouge, LA 70807
Phone: 225-356-4008

DATE: 20 July, 2022
A/C TSN: 931 2
ENG TT 931 2
TSMOH:
HOBBS: 931.2

Engine Entries

(2) Complied with engine annual inspection IAW Piper MM 05-20-00.

- Serviced the engine fuel screens
- Installed new engine oil filter and inspected the filter element, no discrepancies noted.
- Complied with the oil pump inlet screen inspection.
- Complied with the engine mag timing.
- Complied with the engine fuel line inspection per Lycoming SL 342H.

(4) Complied with oil and filter change.

- Installed new filter P/N CH48103-1.
 - Serviced engine with 13 Qts Aeroshell 15W50 and Lycoming additive P/N LW16702.
 - Soap sample taken.
- REF: AMM 12-10-00

(5) Complied with the engine cold compression test.

#1 72/80 #2 73/80 #3 74/80
#4 73/80 #5 74/80 #6 75/80

(7) Due to high oil consumption complied with the following maintenance:

- Inspected and found spark plugs to be oil soaked.
 - Removed cylinder #6 and found failed oil control ring.
 - Removed remaining cylinders.
 - Cleaned and honed cylinder bores.
 - Fitted and installed new piston ring sets P/N 05K22037 (QTY 6).
 - Installed same as removed #1-#6 piston/cylinder assemblies with new o-rings P/N 71481 (QTY 6) and drain hoses P/N STD2180 (QTY 6).
 - Installed same as removed pushrod and pushrod tubes with new seals P/N LW18661 (QTY 24).
 - Installed same as removed intake and exhaust rockers.
 - Installed same as removed intake manifold tubes with new o-rings P/N 72711 (QTY 6) & gaskets P/N 71973 (QTY 6).
 - Installed same as removed exhaust system with the following new seals: gasket P/N 77611 (QTY 7), gasket P/N 06B19913 (QTY 1), gasket P/N 78084 (QTY 2), & gasket P/N 75845 (QTY 2).
 - Installed same as removed intercooler assemblies and associated engine baffling with one new plug P/N 582-587.
 - Complied with necessary engine run checks with no discrepancies noted.
- REF: Lycoming Direct Drive Aircraft Engines Overhaul and Maintenance Manual, & TIO-540-AE2A Operators Manual.

(8) Complied with the inspection and lubrication of the slip joints on the exhaust system per Lycoming SB 521.

ENGINE LOG

ENGINE MODEL:

TIO-540-AE2A

ENGINE S/N L-14107-61A**REG NO** N200JP**WORK ORDER:**

5891-02-2022

**G. H. Enterprises, Inc.**

9210 CE Woolman Dr.

Baton Rouge, LA 70807

Phone: 225-356-4008

DATE: 24 February, 2022**A/C TSN:** 878.9**ENG TT:** 878.9**TSMOH:****HOBBS:** 878.9**Engine Entries**

(1) Complied with oil and filter change.

- Installed new filter P/N CH48103-1.

- Serviced engine with 11 Qts Aeroshell 15W50 and Lycoming additive P/N LW16702.

- Soap sample taken.

REF AMM 12-10-00

I CERTIFY THAT THE AIRCRAFT OR COMPONENT IDENTIFIED ABOVE WAS INSPECTED OR REPAIRED
IN ACCORDANCE WITH THE CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND TO BE IN AN
AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.

DATE: 24 February, 2022**SIGNED:**

Gerald Huggins, A&P: 2003581

Work Order: 5891-02-2022

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Total To Carry Forward				

and Remarks

Signature

Certificate No.

Corporate Aircraft Maintenance, LLC

Engine logbook entry

Reg # : N200JP Model: PA-46-350P Hobbs: 0845.8 S/N: 4636649 10/29/2021

1. Drained oil, removed filter and inspected. Installed new AA48103-2 oil filter and serviced with 10 qts W100 Plus. Preoiled engine.
2. Compressions were: 1)74/80 2)77/80 3)71/80 4)74/80 5)69 6)79
3. Removed, cleaned, gapped, rotated, and reinstalled spark plugs.
4. Removed quick drain, cleaned, and applied sealant. No leaks found.
5. Replaced o-ring on temperature sender bulb P/N MS28778-4.
6. Ground run and leak check good.

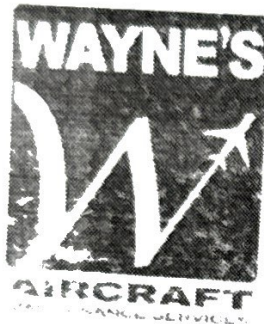
Kevin Donaldson AP4309383



ENGINE LOG

Date

Maintenance



Wayne's Aircraft Maintenance
14300 SW 129th Street
Miami, FL 33186
305-238-0774
N200JP

Date: 7/12/2021. Tach: 786.3

Check engine, completed exhaust inspection and leak check, found 3 turbo clamps loose, tighten and safety wired, replace one clamp nut, replace damaged turbo intake coupling right turbo, wash engine and checked for leaks, tighten oil sump bolts. All work inspected. OK for return to service.

Wayne Gappe
3762555 A&P

Total To
Carry Forward

and Remarks

Signature

Certificate No.



Avflight Rochester Corporation

1205 Scottsville Rd.

Rochester, NY 14624 CRS J22R845J

<u>Reg. #</u>	<u>S/N</u>	<u>Hobbs</u>	<u>Type</u>	<u>Date</u>	<u>W/O#</u>
N200JP	46-36649	779.2	PA-46-350P	06/30/2021	21-10174


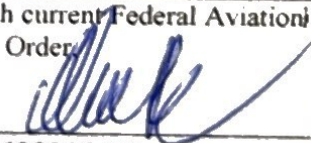
1. Starter intermittently failing. C/A Troubleshoot system and determined starter motor bad. Part ordered. (ERB-8011). Installed new starter IAW PA 46-350P AMM 80-10-00. Installed 20 + new screws in cowl as required. Starter ops check satisfactory.
2. Customer requests oil and filter change. C/A Drained oil hot. Removed, inspected, and replaced oil filter with new CH48103-1 filter and serviced engine with 11 qts. Aeroshell 15W50 oil. Post maintenance run up and leak check satisfactory.

All work performed IAW current FAA regulations and current manufacturers technical data. The article is airworthy with respect to the work above. For details of work performed see WO# 21-10174 on file with this repair station.

Signed

Hadrian Dailey CRS J22R845J

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance		
	This Date	Since Major				
Model: Lycoming MN: TIO-540-AE2A SN: L-14107-61A Reg#: N200JP	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398			W/O: Hobbs: 823.2		
Installed 11 new RHB36S fine wire spark plugs. Clean engine, run up, ops and leak checks good.						
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.						
Date: September 16, 2021			Signature:  Huy Bui 3688325AP			
Model: Lycoming MN: TIO-540-AE2A SN: L-14107-61A Reg#: N200JP	Advantage Aviation South Valley Regional Airport 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398			W/O: Hobbs: 823.2		
Changed oil & filter. Cut & inspected old filter, no defects noted. Serviced w/ 10 quarts AS 15W50 oil and AA48103-2 filter and one bottle Camguard. Clean engine, run up, ops and leak checks good.						
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.						
Date: September 17, 2021			Signature:  Huy Bui 3688325AP			

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Complied with the following SBs & ADs

1. AD 2017-16-11 is N/A by Engine Model, S/N, and no record of repair using affected parts performed.
2. Complied with AD 2015-19-07 by inspection of the Fuel Injector Lines and Clamps IAW Lycoming SB 342G; no defects noted. Next due @ ACTT 858.3.
3. Complied with AD 2011-06-10 by replacement of T.I.T. Probe with new P/N 686-216 from Piper Aircraft, Inc., Auth. No. PC206, W.O. ST0950764 dated 01 Mar 2021 IAW Piper AMM, Ch. 77-20-00. Operational check good. Next replacement due @ ACTT 998.3.
4. 250hr/12mo **Lycoming SB 521 & 531** complied with by inspection of the exhaust system IAW SB instructions. Discovered Mid and LH Crossover Exhausts were seized & damaged. Removed and replaced Mid and LH Crossover Exhaust Manifolds with new P/N 40B19974 and P/N 40B19850 using new P/N 06B19913 Gasket, P/N 78084 Gaskets (Qty. 2), and P/N 75845 Gasket. Operational check good; no other defects noted.

ADs checked for compliance through BW ²⁰²¹⁻¹¹ ~~2021-09~~ and AD listing updated.

I certify that this engine has been inspected in accordance with an Annual/100 HR Inspection and was determined to be in airworthy condition with respect to the work performed above.

Signed

Michael Rogers

W.O# 23569

Dated 05/28/2021

Michael Rogers – Inspector
Martin Aviation, Maintenance
19300 Ike Jones Road, Santa Ana, CA 92707
CRS #M8VR406N

ENGINE LOG



MartinAviation®

N200JP
LYCOMING

PIPER PA-46-350P
TIO-540-AE2A

S/N 4636649
S/N L-14107-61A

HOBBS: 748.3
ENG TT: 748.3

Maintenance

Performed an **Annual/100 HR Inspection** in accordance with 14 CFR Part 43 using the Piper PA-46-350P Airplane Maintenance Manual P/N 761-876, Rev. PR210315 dated May 3, 2021, Ch. 5-20-00, 5. Scheduled Maintenance Checklist & 5-30-00 Special Inspections; the Lycoming TIO-540-AE2A Series Operator's Manual P/N 60297-27, Rev. 60297-27-3 dated 11/06, Section 5; and the Hartzell Propeller Owner's Manual No. 145, Ch. 61-00-45, Rev. 20 dated Apr/21, Page 5-10, Section 3.A. Periodic Inspections as a guide.

Accomplished the requirements of PA-46-350P AMM sections 04-00-00, 05-20-00 and 05-30-00 as follows:

50hr Injector Nozzle Check

250hr/12mo Lycoming SB 521 & 531 (Details Below)

Performed the following maintenance actions:

400hr Valve Rocker Inspection (Details Below)
500hr Crankshaft Sludge Removal

1. Performed the 25, 50, and 100-Hour inspection items listed in the Lycoming Operator's Manual, Section 4 Periodic Inspections.
2. Performed **Compression Test** with the following results: #1 - 74/80, #2 - 78/80, #3 - 78/80, #4 - 76/80, #5 - 76/80, #6 - 72/80. Spark plugs reinstalled using new P/N M674 gaskets.
3. Complied with the 400hr removal of the **Rocker Box Covers** and inspection of the **Valve Rockers**; no defects noted. Reinstalled Rocker Box Covers using new P/N 06B26811 gaskets. Operational and leak check good.
4. Removed **Pressure Controller** P/N 4818008-0033, S/N HRDW00166 and replaced with overhauled P/N 481008-0033, S/N H-TKN00037 from Main Turbo Systems, Inc., Cert. No. MAMR190K, W.O. 60738 dated 07 May 2021 IAW Piper AMM, Ch. 81-20-00; operational check good.
5. Installed missing **#3 Cylinder Tanis Heater** with new P/N TTP2771-115/50 IAW Tanis Threaded Element Install Instructions Doc. No. TN02771; operational check good.
6. Replaced broken upper spark plug on #5 Cylinder with new P/N RHB36S; operational check good.
7. Replaced missing attachment bolt on RH Turbocharger with new P/N LW-31SS-0.88 Bolt.
8. Secured RH Heat Exchanger debonding exterior insulation material using High Temp RTV sealant.
9. Installed spiral-wrap on the #2 Cylinder lower ignition cable and secured to prevent chafing on exhaust.
10. Removed and replaced broken gasket on LH exhaust entrance to wastegate with new P/N 77611; operational check good.

Page 1 of 2

Total To
Carry Forward

Complied with the following

1. AD 2017-16-11 is N/A
2. Complied with AD 2017-01-02 @ ACTT 858.3.
3. Complied with AD 2017-01-02 ST0950764 dated 01/11/17
4. 250hr/12mo Lycoming Crossover Exhausts w/ and P/N 40B19850 used other defects noted.

ADs checked for compliance

I certify that this engine is in good condition with respect to

Signed

[Signature]

Model: Lycoming
MN: TIO-540-AE2A
SN: L-14107-61A
Reg#: N200JP

Advantage Aviation

South Valley Regional Airport

7220 S. 4450 W

W Jordan, UT 84084

801-755-5398

W/O:

Hobbs: 733.9

Changed oil & filter. Cut & inspected old filter, no defects noted. Serviced w/ 10 quarts AS 15W50 oil and AA48103-2 filter and one bottle Camguard. Clean engine, run up, ops and leak checks good.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Signature:

Huy Bui 3688325AP

Date: April 9, 2021

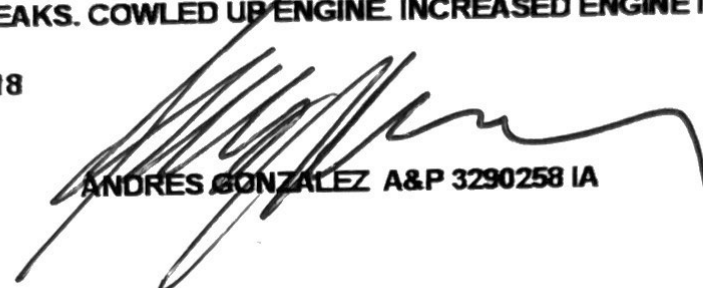


3147 Donald Douglas Loop S.
Santa Monica, CA 90405
(310) 397-8183
DATE: 11-3-2020

MAKE: PIPER MODEL: PA-46-350P S/N: 4636649 REG: N200JP HOBBS: 640.9

UNCOWLED TOP AND BOTTOM, CHANGED OIL AND FILTER, (12 QTS AEROSHELL 15W-50 CH48103-1) CUT OPEN OLD FILTER, NO DEFECTS. PERFORMED GROUND RUN, NO LEAKS. COWLED UP ENGINE. INCREASED ENGINE IDLE SPEED PER CUSTOMER REQUEST.

DETAILS ON FILE UNDER W/O# 2918


ANDRES GONZALEZ A&P 3290258 IA

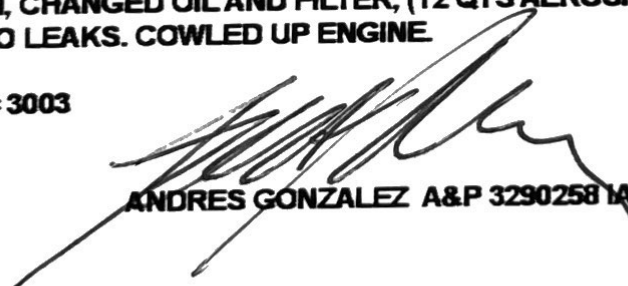


3147 Donald Douglas Loop S.
Santa Monica, CA 90405
(310) 397-8183
DATE: 12-28-2020

MAKE: PIPER MODEL: PA-46-350P S/N: 4636649 REG: N200JP HOBBS: 688.3

UNCOWLED TOP AND BOTTOM, CHANGED OIL AND FILTER, (12 QTS AEROSHELL 15W-50 CH48103-1) CUT OPEN OLD FILTER, NO DEFECTS. PERFORMED GROUND RUN, NO LEAKS. COWLED UP ENGINE.

DETAILS ON FILE UNDER W/O# 3003


ANDRES GONZALEZ A&P 3290258 IA

Date: October 8, 2020

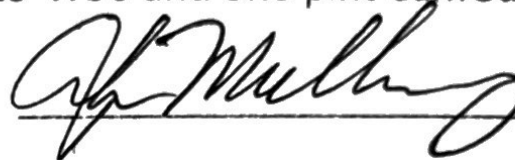
February 20, 2020

N200JP

Hobbs: 567.2

Changed oil and filter, serviced with Aeroshell 15-W50 and one pint CamGuard. Took oil sample for analysis. Adjusted left magneto timing.

John Mulberry AP518905887



Date: April 17, 2020

N200JP

Engine

Hobbs: 574.6

Eng. TT: 574.6

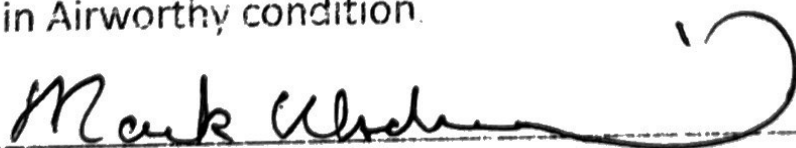
Compression: 1-77/80, 2-74/80, 3-77/80, 4-78/80, 5-78/80, 6-78/80. Lapped #2 cylinder exhaust valve. Removed magnetos for 500 hour inspection. Disassembled, cleaned, installed new points and carbon brushes, reassembled and retimed to engine. Removed left and right baffles and intercoolers, installed six new rocker cover gaskets. Tightened all cylinder oil return line hoses. Cleaned and resealed fuel injectors. Removed right aft exhaust crossover, cleaned and reinstalled with new heat shield. Cleaned, gapped and rotated spark plugs. Reinstalled baffles and intercoolers. Adjusted idle setting. Complied with AD 11-06-10, installation of new turbine inlet temp probe. Due at 824.6 hours. Complied with AD 11-26-04, inspection of external fuel injection lines. Due at 674.6 hours. Complied with AD 84-26-02, installation of new induction filter. Due at 1074.6 hours.

See separate AD list for current compliance.

I certify that this Engine has been inspected in accordance with a 100 Hour inspection and was determined to be in Airworthy condition.

Mark Ulschmid

A&P3507088



Date: July 25, 2019

N200JP

Hobbs: 486.3

Changed oil and filter, serviced with Aeroshell 15-50. Took sample for analysis.

Mark Ulschmid

A&P3507088

Mark Ulschmid

ate No.

Date: Sept. 16, 2019

N200JP

Hobbs: 506.5

Changed oil and filter, serviced with Aeroshell 15-50 and one pint Cam Guard.

Mark Ulschmid

A&P3507088

Mark Ulschmid

Date: Oct. 21, 2019

N200JP

Hobbs: 535.7

Changed oil and filter, serviced with Aeroshell 15-50 and one pint Cam Guard.

Mark Ulschmid

A&P3507088

Mark Ulschmid

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	12/04/17
HOBBS	280.7
TT	
CYCLES	

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -
GROUND RUN AND LEAK CHECK GOOD

THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs -
ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
4241 ED URBAN DR.
PERU, IL 61354

DATE	02/27/18
HOBBS	298.9
T.T.	298.9
SMOH	

DRAINED OIL, C/W SB 480E, INSPECTED AND REPLACED FILTER, INSPECTED AND CLEANED SCREEN,
SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK
PLUGS - CHECKED COMPRESSION #1 - 78/80 #2 - 79/80 #3 - 79/80 #4 - 79/80 #5 - 79/80 #6 - 78/80
CHECKED MAG TIMING - C/W AD 2015-19-07 BY INSPECTING FUEL INJECTOR LINES IAW SB 342G, NEXT
DUE AT 408.9 HRS OR NEXT SYSTEM MAINTENANCE - INSPECTED FUEL SERVO INLET SCREEN -
REPLACED #5 BOTTOM IGNITION LEAD SPRING (P/N M2929) - GROUND RUN AND LEAK CHECK GOOD

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL
INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

T
C

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
4241 ED URBAN DR.
PERU, IL 61354

DATE	03/03/17
FHM	211.8
T.T.	211.8
SMOH	

DRAINED OIL, C/W SB 480E, INSPECTED AND REPLACED FILTER, INSPECTED AND CLEANED SCREEN, SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 78/80 #2 - 79/80 #3 - 78/80 #4 - 78/80 #5 - 79/80 #6 - 78/80 - CHECKED MAG TIMING - C/W AD 2015-19-07 BY INSPECTING FUEL INJECTOR LINES IAW SB 342G, NEXT DUE AT 321.8 HRS OR NEXT SYSTEM MAINTENANCE - INSPECTED FUEL SERVO INLET SCREEN - GROUND RUN AND LEAK CHECK GOOD

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
4241 ED URBAN DR.
PERU, IL 61354

DATE	08/01/17
HOBBS	247.0
TT	
CYCLES	

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 - GROUND RUN AND LEAK CHECK GOOD

THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs - ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

CHARLES M. STUDER

Charles M. Studer

A&P 337545845 IA

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
4241 ED URBAN DR.
PERU, IL 61354

DATE	02/01/16
FHM	171.4
T.T.	171.4
SMOH	

DRAINED OIL, C/W SB 480E, INSPECTED AND REPLACED FILTER, INSPECTED AND CLEANED SCREEN, SERVICED SYSTEM WITH AEROSHELL 15W50 - CLEANED, GAPPED, TESTED AND ROTATED SPARK PLUGS - CHECKED COMPRESSION #1 - 79/80 #2 - 79/80 #3 - 79/80 #4 - 79/80 #5 - 79/80 #6 - 79/80 CHECKED AND ADJUSTED MAG TIMING - C/W AD 2015-19-07 BY INSPECTING FUEL INJECTOR LINES IAW SB 342G, NEXT DUE AT 281.4 HRS OR NEXT SYSTEM MAINTENANCE - INSPECTED FUEL SERVO INLET SCREEN - GROUND RUN AND LEAK CHECK GOOD

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW FAR 43 APPENDIX D FOR AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED REPRESENTATIVE FAA FORM 8130-3, AIR	
4. Organization Name and Address: LYCOMING ENGINES 652 OLIVER STREET WILLIAMSPORT, PA 17701			
6. Item:	7. Description:	8. Part Number:	
1.1	FUEL PUMP - 200F-5002 (AN)	62E23186	
12. Remarks: AIRWORTHINESS APPROVAL PARTS AIR POWER INC United States			
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12.			
13b. Authorized Signature <i>John F. Dabback</i>		13c. Approval/Authorization ODA830878NE	
13d. Name (Typed or Printed): J. DABBACK		13e. Date (dd/mm/yyyy) 21 OCT 2016	
User/Installer It is important to understand that the existence of this document is evidence of the existence of the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the airworthiness authority of the country specified in Block 1, the user/installer accepts aircraft engine/propeller/article Statements in Blocks 13a and 14a do not constitute installation an installation certification issued in accordance with the national airworthiness authority of the country specified in Block 1.			

A&P 360625846 IA

DATE	10/26/16
TACH	194.5
TT	194.5
CYCLES	

AND INSTALLED NEW FUEL
MAG GASKETS (P/N
GOOD
ECTED IAW CURRENT FARs -
URN TO SERVICE

A&P 360625846 IA

FAA Form 8130-3 (02-14)

* Installer must cr

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	07/08/15
HOBBS	100.8
AFTT	100.8
SMOH	

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -
GROUND RUN AND LEAK CHECK GOOD

THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs -
ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	09/10/15
HOBBS	134.5
TT	
SMOH	

DRAINED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -
GROUND RUN AND LEAK CHECK GOOD

THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs -
ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

ENGINE LOG

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	12/29/14
HOBBS	14.5
T.T.	14.5

ince

INSTALLED TANIS ENGINE PRE-HEAT SYSTEM (P/N TAS100-07-771-DT-115, S/N 49136) IAW TANIS
INSTALLATION INSTRUCTIONS DOC. NO. TNP1033, REV. C

THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs -
ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

REG. NO.	N200JP
MAKE	LYCOMING
MODEL	TIO-540-AE2A
S/N	L-14107-61A

MIDWEST AVTECH INC.
I.V. REGIONAL AIRPORT
P.O.BOX 451
PERU, IL 61354

DATE	03/23/15
HOBBS	42.9
TT	42.9
CYCLES	

DRIANED OIL, INSPECTED AND REPLACED FILTER, SERVICED SYSTEM WITH AEROSHELL 15W50 -
GROUND RUN AND LEAK CHECK GOOD

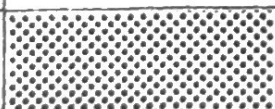
THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs -
ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

WILLIAM E. MIGLIORINI

William E. Migliorini

A&P 360625846 IA

Total To
Carry Forward



ENGINE DESCRIPTION

Manufacturer: LYCOMING, WILLIAMSPORT, PA

Serial No. L-14107-61A

Horsepower: 350

Model: TIO-540-AE2A

FAA T. C. No. E14EA

[illegible]

OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1		N200JP	DEC 05 2014
2			
3			
4			
5			
6			

If this book is found, please return it to the owner.

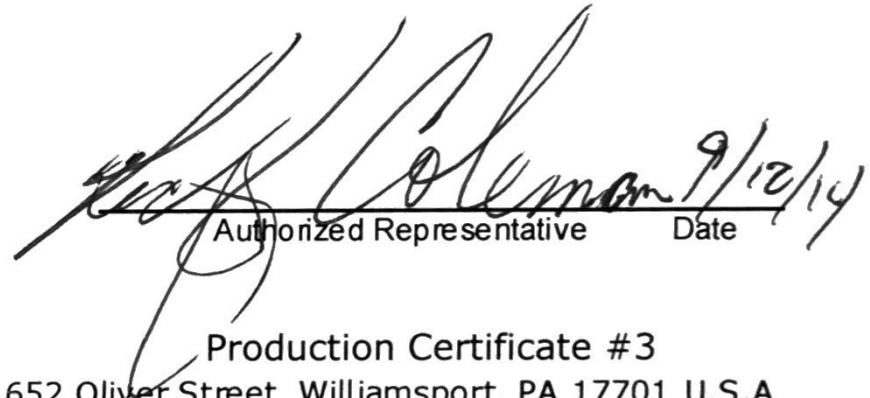
LYCOMING

New Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number: ENPL-10844
Serial Number L-14107-61A
Engine Model TIO-540-AE2A
Work Order AR598156
Total Time 0 New

Form 777C Rev 05/13


Authorized Representative Date 9/12/14

Production Certificate #3
652 Oliver Street Williamsport, PA 17701 U.S.A
Lycoming Engines is a division of Avco Corporation