

*The Standard*  
 **ENGINE LOG**

L.H. ENGINE LOG #2



*The Standard*

**ENGINE LOG**

ASA-SE-2

DA 3-22-2012 N9272 PA-31P-350 S/N: 31P-8414039  
Left Engine

2407.6 Hr Meter

19

1. Installed new starter motor p/n 149-24LS s/n F4L-441117.
2. Replaced all spark plugs using 12 new p/n RHB32S.

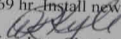
 A&P 2698478


3-23-2012 N9272 PA-31P-350 S/N: 31P-8414039  
Left Engine

2412.0 Hr Meter

1. Replaced left engine magneto with overhauled p/n 10-682910-13 s/n G08BGN01.

 A&P 2698478

04/03/2012 Hobbs: "0" Total Time: 3769, SMOH: 905 Logbook research shows the total time of this engine as of this date to be 3769 hr. Install new Hobbs Meter reading "0" in N9272Y, for which this is the left engine.  William R. Kyle, Chief Inspector for Charles City Aeronautics, Inc., Charles City, Iowa FAA Approved Repair Station #CQVR964C

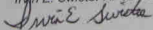
04/07/2012 Hobbs: 0 Total Time: 3769 SMOH: 905 Install new oil cooler duct, new TIT probe bushing, 2 intercooler duct mounts & new Lord mounts. Repair intercooler inlet duct. Repair #6 baffle, install new baffle material on that mount. Test run and check for leaks and proper operation-OK  William R. Kyle, Chief Inspector for Charles City Aeronautics, Inc., Charles City, Iowa, FAA Approved Repair Station #CQVR964C



February 20, 2013 Engine TT: 3782 hrs.

1. Engine disassembled, cleaned, inspected, and the following work performed in accordance with a major overhaul to new limits pending installation & run-in.
2. Crankcase overhauled & recertified by Divco, Inc. - Tulsa, OK WO# 108494.
3. Crankshaft, counterweights, camshaft, camshaft followers, rocker arms, tach shaft, & internal steel were overhauled/magnafluxed by Aircraft Specialties Services, Inc.- Tulsa, OK, WO# 216001.
4. Connecting rods were inspected and rejected by Aircraft Specialties Services, Inc.- installed (6) overhauled connecting rods from Aircraft Engine & Accessory Co., Inc.- Dallas, TX, WO# 146035.
5. Engine furnished with complete fuel injection system after overhaul by Mike's A/C Fuel Metering Service, Inc. - Tulsa, OK, WO# 25384. Servo SN: 85628, fuel pump SN: C-6964, flow divider SN: AG0318.
6. Engine furnished with complete turbocharger system after overhaul by Approved Turbo Components, Inc. - Visalia, CA., WO#'s 32656, 32657, 32658, & 32659. Turbocharger SN: YAO26691, wastegate SN: VJR0112, controller SN: VJR0120, PRV SN: VJR0107.
7. Engine reassembled using the following new parts: (6) 05K21260 complete engine ready cylinder kits, (2) SL13885A-M03 main bearings, (6) LW14830M003/18E23886-M003 main bearings, (12) SL13212-M03 connecting rod bearings, (12) LW12596 conn. rod bolts, (12) SL12186 conn. rod bolt nuts, (6) 73772 piston cooling nozzles, (12) SL78290 hydraulic lifters, (12) 78524 hydraulic lifter sockets, (12) SL72626A rocker arm shafts, (24) LW11665 thrust buttons, (12) 71549 thrust washers, (1) 53E22144 oil temp vernathern, (1) AN8-14A crankshaft gear bolt, (1) LW10332 lockplate-crankshaft gear bolt. Installed all new: gaskets, seals, o-rings, retaining rings, oil pressure spring, oil pressure ball, woodruff keys.
8. Complied with SB 342F by inspection of all fuel injection lines, installed (1) new line assy PN: LW12098-0-210, installed all new adel clamps on fuel injection lines with all new hardware.
9. Complied with SB 543C by installation of new oil filter converter plate gasket PN: 06B23072.
10. Complied with SI 1442A Improved oil filter bypass valve by installation of new spring PN: 05S21021.
11. Engine preoiled & leak checked, oil pressure checked OK.

Iryn E. Swieter AP3211961





DATE: 01/01/2014 HOBBS: 109  
TOTAL TIME: 3620 SMOH: 46

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE, W.O. # 6532

SIGNED

W. Kyle Chief Insp.

FOR CHARLES CITY AERONAUTICS, CHARLES CITY, IA  
FAA APPROVED REPAIR STATION #CQVR964C

### Inspections, Tests, Repairs and Alterations

Used with Name, Rating and Certificate Number of Facility. (See back pages for other specific entries.)

05/01/2014 Hobbs: 109 Total Time: 3878 SMOH: 96 Differential Compression Test: Cyl. #1 79/80; #2 79/80; #3 80/80; #4 77/80; #5 77/80; #6 79/80. Clean and regap 12 spark plugs.  
Change oil-fill sump with 13 qt Phillips X/C 20W50 and the appropriate amount of ASL Camguard. Change oil filter and clean screen-check both for metal-found none. C/W AD 2011-26-04, amndt. 39-16894 on fuel injector lines-OK-next due at next Annual, 100-hr., or injector line maintenance. Install new inboard induction drain hose. Test run and check for leaks and proper operation-OK.  
Charles City Aeronautics, Inc., Charles City, Iowa, FAA Approved Repair Station #CQVR964C

DATE:  
TOTAL:

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DATE: 06/11/2015  
TOTAL TIME: 3908

HOBBS: 139  
SMOH: 126

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE, W.O. # 6062

SIGNED

W. Kyle Chief Insp.

FOR CHARLES CITY AERONAUTICS, CHARLES CITY, IA  
FAA APPROVED REPAIR STATION #CQVR964C

**Inspections, Tests, Repairs and Alterations**  
Inspected with Name, Rating and Certificate Number of Facility. (See back pages for other specific entries.)

06/11/2015 Hobbs: 139 Total Time: 3908 SMOH: 126 Differential Compression Test: Cyl. #1 78/80; #2 77/80; #3 79/80; #4 77/80; #5 79/80; #6 77/80. Clean and regap 12 spark plugs. Change oil-fill sump with 13 qt Phillips X/C 20W50 and the appropriate amount of ASL Camguard. Change oil filter and clean screen-check both for metal-found none. C/W AD 2011-26-04, amndt. 39-16894 on fuel injector lines-OK-next due at next Annual, 100-hr., or injector line maintenance. Remove right cylinder bank exhaust and send to AWI for repair on their Work Order 81534. Reinstall using new gaskets. Repair inboard middle snifter valve. Install new crankshaft seal. Test run and check for leaks and proper operation-OK. W. Kyle  
William R. Kyle, Chief Inspector for Charles City Aeronautics, Inc., Charles City, Iowa, FAA Approved Repair Station #CQVR964C



records

Rifle Aircraft Maintenance, Inc.  
Engine

N#: N9272Y  
Work Order: 5786  
Make: LYCOMING  
Model: T10-540  
Date: 9/19/2015  
HOBBS: 0161.2  
Tach:

Eng TT:  
Eng TMSOH:  
Prop TT:  
Prop TMSOH:  
ACTT:  
S/N:

Removed alternator p/n ALV8511, s/n 5T000009. Installed alternator p/n ALV6511, s/n 000192 in LH engine. Ground ran engine, function checks normal.

The above-described maintenance has been accomplished in accordance with current FAR's, or Mfg's Data/Maintenance Manuals, and was determined to be in an airworthy condition with respect to the work performed.

Date: 9/19/2015  
Kenneth Shetler A&P 3269341 IA

Signed: Kenneth Shetler

Engine Log Book Entry

Date: 11-18-15 Engine Time: 158.7

Installed P/N: TSP666-2927-15 preheat system S/N: 49947

in accordance with Tanis instructions TNP2927 Rev. D

Installer Name: Kenneth Shetler Cert. # A2P

3269341 IA

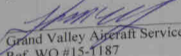


Date 12/28/2015  
Left Engine

N9272 Piper PA-31P-350 S/N 31P-8414039 HOBBS 188.2 TTAF 3957.2  
Lycoming TIO-540-V2AD S/N L-8539-61A TTE 3957.2 TSO 175.2

Drained oil, cut open filter no metal found. Cleaned sump screen. Installed new CH48104-1 filter and serviced with 12 quarts of Phillips 20W50 oil. Ground ran aircraft, leak check ok.

*I certify that the above listed items have been completed and that this aircraft has been approved for return to service.*

  
IA 3666435 John McClelland  
Grand Valley Aircraft Services, Grand Junction, CO 81506  
Ref. WO #15-1187

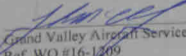


Date 04/04/2016  
Left Engine

N9272Y Piper PA-31P-350 S/N 31P-8414039 HOBBS 219.3 TTAF 3988.3  
Lycoming TIO-540-V2AD S/N L-8539-61A TTE 3988.3 TSO 206.3

Replaced left engine magneto with overhauled P/N 10-682910-13, S/N 3811. Ground ran aircraft, leak check ok.

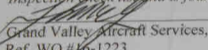
*I certify that the above listed items have been completed and that this aircraft has been approved for return to service.*

  
IA 3666435 John McClelland  
Grand Valley Aircraft Services, Grand Junction, CO 81506  
Ref. WO #16-1209



Date 06/15/2016 N9272Y Piper PA-31P-350 S/N 31P-8414039 HOBBS 239.0 TTAF 4008.0  
Left Engine Lycoming TIO-540-V2AD S/N L-8539-61A TTE 4008.0 TSO 226.0

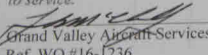
Performed Annual/100 hour inspection IAW FAR 43 Appendix D. Drained oil, cut open filter no metal found. Installed new CH48104-1 filter and serviced with 12 quarts of Phillips 20W50 oil. Performed compression checks as follows: #1 76/80, #2 79/80, #3 76/80, #4 78/80, #5 79/80, #6 78/80. **C/W AD2015-19-07** per Para. (e)(ii) and MSB 342G, next due at 4118.0 TTAF. Replaced induction filter with P/N BA3305. AD's checked thru revision 06/13/2016. Ground ran aircraft leak and ops check good. *I certify this engine was inspected IAW FAR 43 Appendix D and a Piper PA31P-350 / Lycoming Annual Inspection check list and is found to be in an airworthy condition and returned to service.*

  
IA 3666435 John McClelland  
Grand Valley Aircraft Services, Grand Junction, CO 81506  
Ref. WO #16-1223



Date 08/04/2016 N9272Y Piper PA-31P-350 S/N 31P-8414039 HOBBS 258.1 TTAF 4027.1  
Left Engine Lycoming TIO-540-V2AD S/N L-8539-61A TTE 4027.1 TSO 245.1

Replaced left engine driven fuel pump with overhauled P/N RG9080J7A/M, S/N F-99002. Ground ran aircraft leak and ops check good. *I certify that the above listed items have been completed and that this aircraft has been approved for return to service.*

  
IA 3666435 John McClelland  
Grand Valley Aircraft Services, Grand Junction, CO 81506  
Ref. WO #16-1236



Date 08/18/2016  
Left Engine

N9272Y  
Lycoming

Piper PA-31P-350  
TIO-540-V2AD


S/N 31P-8414039  
S/N L-8539-61A

HOBBS 270.7  
TTE 4039.7

TTAF 4039.7  
TSO 257.7

Replaced left engine pneumatic pressure pump with overhauled P/N 442CW-6, S/N 153882. Ground ran aircraft leak and ops check good.

*I certify that the above listed items have been completed and that this aircraft has been approved for return to service.*

 IA 3666435 John McClelland  
Grand Valley Aircraft Services, Grand Junction, CO 81506  
Ref. WO #16-1238



Date 09/29/2016  
Left Engine

N9272Y  
Lycoming

Piper PA-31P-350  
TIO-540-V2AD

S/N 31P-8414039  
S/N L-8539-61A

HOBBS 287.2  
TTE 4056.2

TTAF 4056.2  
TSO 274.2

Drained oil, cut open filter no metal found. Cleaned sump screen. Installed new CH48104-1 filter and serviced with 12 quarts of Phillips 20W50 oil. Ground ran aircraft, leak check ok.

*I certify that the above listed items have been completed and that this aircraft has been approved for return to service.*

 IA 3666435 John McClelland  
Grand Valley Aircraft Services, Grand Junction, CO 81506  
Ref. WO #16-1249

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| DATE<br>19 _____ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | <b>Description of Inspections, Tests, Repairs and Alterations</b><br>Entries must be endorsed with Name, Rating and Certificate Number of<br>Technician or Repair Facility. (See back pages for other specific entries.) |
|------------------|---------------------------|------------------|-----------------------------|--|
|------------------|---------------------------|------------------|-----------------------------|--|

**Rifle Aircraft Maintenance, Inc.**  
Engine

W#: N9272Y  
 Work Order: 6142  
 Make: LYCOMING  
 Model: TIO-540-U2AD  
 Date: 2/18/2017  
 HOBBS: 339.1  
 Tach:

Eng TT: 4108.1  
 Eng TMSOH: LH- 326.2  
 Prop TT: LH-326.2  
 Prop TMSOH: NA  
 ACTT: 4108.1  
 S/N: L-8539-61A

Accomplished Annual/100 hour inspection per FAR 43, Appendix D, and a checklist. Tested compression warm at 80 psi: (1) 78/80 (2) 77/80 (3) 75/80 (4) 79/80 (5) 78/80 (6) 77/80. Cleaned, gapped, tested and rotated spark plugs. Drained engine oil, replaced oil filter with Tempest AA48104. Filled with 12 quarts XC20W50 oil. Checked magneto to engine timing. Replaced CHT sensor probe with new P/n 86146 Alcor probe. Repaired engine cooling baffling as required. Ground ran and flight tested, function and leak checks good. Researched ADs through T-Data 2017-04. All are current or do not apply at this time.

I certify I have inspected this engine in accordance with an Annual/100 hour inspection and have determined it to be in an airworthy condition and is returned to service.

The above-described maintenance has been accomplished in accordance with current FAR's, or Mfg's Data/Maintenance Manuals, and was determined to be in an airworthy condition with respect to the work performed.

Date: 2/18/2017

Signed:

*Kenneth Shetler*

Kenneth Shetler A&P 3269341 IA

