

N8442H

1981 Piper PA-32-301

MSN: 32-8106098

Engine Logbook

SMOH

2019 - 2024

 **plannedocs**



ENGINE LOG BOOK

TRIAD AVIATION, INC.



TRIAD AVIATION, INC.

FAA CRS# PP4R448M

BURLINGTON - ALAMANCE

REGIONAL AIRPORT (KBUY)

3439 S. AVIATION DR.

BURLINGTON, NC 27215

PH: 800-334-6437

336-227-1467

Engine Manufacturer: Lycoming

Engine Model Number: 10-540-K1G5

Engine Serial Number: L-30652-48A

Total Time on Engine: 2109 hours

Time Since Major Overhaul: 0 hours

Date: 4/1/2019

Mfr Recommended TBO: 2000 hours

This Engine is Currently Installed in Aircraft: N 8442H

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 24674

DATE 03/18/2019

MAKE Lycoming

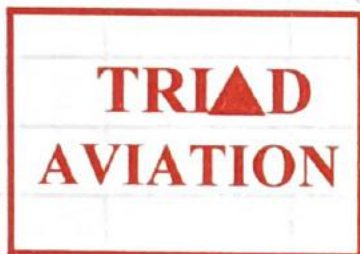
MODEL IO-540-K1G5

S/N L-30652-48A

ENGINE TOTAL TIME 2109

TSMOH 0.0

TBO 2000



Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Shuman M. Mester
Authorized Signature

03/18/2019

Date

Test ran Lycoming IO-540-K1G5 engine serial number L-30652-48A for 2 hours 15 minutes, RPM 2700, oil pressure 79 lbs, oil temperature 188 degrees, CHT 336. Magneto check at 2100 RPM, L 125 RPM, R 125 RPM. Compression test cylinder #1 78/80 #2 79/80 #3 78/80 #4 79/80 #5 78/80 #6 77/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION# PP4R448M. wo# 24674

Signed: *Shuman M. Mester* Date: 03/18/2019

Date: 05/29/2019 Hours: Tach: 1879.8

Tail#: N8442H

Make: Piper

Model: PA32-301

S/N: 328106098

Maintenance Performed

Installations, Modifications, etc.

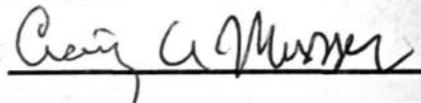
Drained oil, cut open oil filter, small metal fragments noted (contacted Triad Company that just overhauled engine with 25 hours in April 2019, see letter attached stating to change oil in 10 to 15 hours and recheck filter). Inspected suction screen and cleaned. Install oil Filter P/N AA48110-2, Crush gasket P/N AN900-18 and 11 qts Aero Shell 100. Run up and leak check SAT.

Name: Canyon Aero LLC

Cert: 3472566 A & P

Co: Canyon Aero LLC

Sign:



Date: 04/27/2020 **Hours:** Tach: 1966.7 ETT: 2219.2 SMOH: 110.2

Tail#: N8442H

Make: Piper/Lycoming **Model:** PA-32-301/I0-540-KIG5 **S/N:** 32-8106098

Removed engine cowling, and performed a 100 hrs engine inspection referencing Piper MM (P/N 761-721) dated Oct 31, 2019, Lycoming Manual (P/N 60297-10) effective 3/2009 and Lycoming Torque Valued Recom (P/N SSP1776) effective 1/2007, and the scope and details of FAR 43 appendix D. Compression check as follows: #1-76/80, #2-74/80, #3-72/80, #4-79/80, #5-72/80, #6- 79/80. Cleaned, inspected, tested and gaped spark plugs. Checked engine timing Ok. Drained oil, and replenished with 11qts of aeroshell w15w50. Reinstalled spark plugs. Removed and cut open oil filter, no metal noted. Installed oil filter P/N AA48110-2. Removed and inspected oil suction screen, no metal to note, reinstalled suction screen with new crush gasket P/N AN900-16. Installed induction air filter P/N BA-3. Checked (AD 15-19-07 fuel injector fuel lines and clamps, C/W by Visual Inspection, installed new fuel manifold to nozzle tube assy P/N LW-12098-0-210 on #6 cylinder torqued B nuts to 35inlbs. Reinstalled engine cowling. Run up and leak check OK.

Name: Canyon Aero LLC

Cert: 915R947C

Co: Canyon Aero LLC

Sign: 

Date: 04/21/2020 **Hours:** Tach: 1966.7 ETT:2219.2 SMOH: 110.2

Tail#: N8442H

Make: Piper **Model:** PA-32-301 **S/N:** 32-8106098

I certify this engine has been inspected IAW an 100 hr annual inspection referencing Lycoming Manual (P/N 60297-10) effective 3/2009, Lycoming Torque Valued Recom (P/N SSP1776) effective 1/2007, Piper Maintenance Manual (P/N 761-721) effective 10/31/2019 and FAR 43 appendix "D" and determined it to be in an airworthy condition at this time.

Name: Canyon Aero LLC

Cert: 915R947C

Co: Canyon Aero LLC

Sign: 

Date: 09/29/2020 Hours: Tach: 2004.6

Tail#: 8442H

Make: Piper

Model: PA-32-301

S/N: 32-8106098

Oil sample obtained and sent to AVLabs for analysis. Drained oil and removed and inspected oil filter and suction screen no defects noted. Installed suction screen with new crush gasket PN: AN900-16, and new filter PN: AA48110-2 and serviced engine with 11 quarts of Aeroshell 15W-50. Runup and leak check good. Performed maintenance with reference to PA-32-301 AMM and Lycoming engines Service Bulletin No. 480F.

Name: Canyon Aero LLC

Co: Canyon Aero LLC

Cert: CRS#915R947C

Sign: 

Description of Maintenance Performed
Inspections, AD's, SB's, Installations, Modifications, etc.

Date	Tach Time	Total Time	TSMOH	Description of Maintenance Performed Inspections, AD's, SB's, Installations, Modifications, etc.
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Aero-Tech Services, Inc. 500-P Airport Road Lititz, PA 17543

Make: PIPER

Date: 04/23/21

Engine Log

Model: PA-32-301

S/N: 32-8106098

Type: IO540K1G5

Total Time: 2277

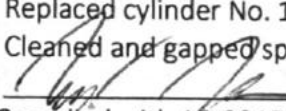
Reg. No.: N8442H

Tach Time: 2024.50

S/N: L30652-48A

SOH: 168.0

Completed the Following Items:

- Compression test: #1- 79/80, #2- 78/80, #3- 75/80, #4- 79/80, #5- 79/80, #6- 78/80.
- Changed oil and filter. Serviced engine with 10 qts Phillips XC20W50 oil and filter p/n AA48110-2. Inspected filter element - no significant debris noted.
- Oil sample taken using Blackstone kit.
- Re-torque rocker cover screws.
- Replaced cylinder No. 1 top spark plug and No. 4 bottom spark plug, with new Champion REM38E.
- Cleaned and gapped spark plugs, checked magneto-to-engine timing and replaced air filter element with new BA-3 filter.
 Jeremiah Martin AP PENDING
- Complied with AD 2015-19-12 Fuel injector lines, by inspection. Due again in 110 hours TIS or anytime maintenance disrupts the lines.
- Replaced cylinder no. 4 fuel injector line with new line p/n SL12098-0-210.
- Completed engine ground run up and leak check, no defects noted.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.



Date: April 23, 2021

Signed:


Robert G. Zimmerman

Cert. No. AP3129806IA

Page 1 of 1

Maintenance completed by Cherryhill Aviation Inc.

Da-10-2022 N8442H Log: Engine Tach: 2059.0 TT: 2311.5 SMOH: 202.5

- Compression #1 79 #2 74 #3 76 #4 75 #5 78 #6 73/80 cold. Borescoped cylinders with no discrepancies noted
- Performed oil change serviced aircraft with 12 quarts of Aeroshell 15w-50 and tempest AA48110-2 filter. Old filter cut open with no metal noted.
- Replaced old cork valve cover gaskets and replaced with real gaskets RG-67193 and torqued cold to 25-inch pounds
 - A.D.# 04-10-14 C1 Crankshaft gear and gear retaining bolt N/A no prop strike noted **next due: prop strike**
 - A.D.# 15-19-07 External fuel injector lines I.A.W. A.D. and MSB 342G **next due: 110hrs**

I certify this aircraft was inspected in accordance with an annual inspection & completed at this date. Inspected Engine in accordance with FAR 43 App. D; per owner's request; using Piper & Lycoming check list as additional guidance. All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

 Dakota Garlick A&P/I.A. 3621331

Maintenance completed by Cherryhill Aviation Inc.

9-1-2023 N8442H Log: Engine Tach: 2070.6 TT: 2323.1 SMOH: 214.1

- Compression #1 76 #2 78 #3 79 #4 79 #5 79 #6 79/80 hot. Borescoped cylinders with no discrepancies noted at this time.
- Performed oil change serviced aircraft with 12 quarts of Aeroshell 15w-50 and tempest AA48110-2 filter. Old filter cut open with no metal noted.
- Adjusted idle mixture
- Cleaned spark plugs, rotated, and reinstalled.
 - A.D.# 04-10-14 C1 Crankshaft gear and gear retaining bolt N/A no prop strike noted **next due: prop strike**
 - A.D.# 15-19-07 External fuel injector lines I.A.W. A.D. and MSB 342G **next due: 110hrs**
 - A.D.# 22-16-03 S-1200 series magnetos roller bearings improper lubrication. NA due to serial number of L and R magnetos
 - A.D.# 23-09-09 Failures of spot welded, multi segment v band couplings. NA no turbo or segment V band clamp installed.

I certify this aircraft was inspected in accordance with an annual inspection and completed at this date. Inspected Engine in accordance with CFR 14 appendix D to part 43; per owner's request; using Piper & Lycoming check list as additional guidance. All AD's complied with at this date using T-data see attached AD copy for details. All continued airworthiness checked. Aircraft found to be airworthy on this date.

 Dakota Garlick A&P/I.A. 3621331



TRIAD AVIATION, INC.

FAA CRS# PP4R448M

Burlington / Alamance Regional Airport (*KBUY*)

3439 S. Aviation Dr. Burlington, NC 27215

800-334-6437

336-227-1467