AIRCRAFT
MAINTENANCE RECORDS

N 130GH

ENGINE
LOG BOOK



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AIRCRAFT
MAINTENANCE RECORDS

Owner TAMAL BOSE

Aircraft Registration **N** 130GH

Manufacturer LYCOMING

Model O-540-E4B5

Serial No. L-9862-40

Position

AIRCRAFT MAINTENANCE RECORD Page No. _____

ENGINE LOG

DATE: 04-17-2024
AIRCRAFT: Piper PA 32-260
ENGINE: Lycoming IO-540-E4B5
PROPELLER: HARTZELL HC-C2YK-1BF

REGISTRATION: N130GH
Serial No: 32-124
Serial No. L-9862-40
Serial No. CH641

TACH: 4776
TTE: 4776
PTT: 4776

I. DISCREPANCIES/MAINTENANCE : *Title 14 CFR part 43*
- Drained and replaced oil with 10 Qts of Phillips 20W50. Replaced engine oil filter. Old filter was dissected and inspected – no significant particles found.
- Wash engine and ground run. Checked for leaks – none observed at this time.
- Oil sample submitted for analysis. Results: FE=88, CR=15, CU=25, SN=0, AL=27, NI=3, AG=0, SI=14, MO=0, TI=0. All values appear normal at this time.

II. REFERENCES: *Title 14 CFR part 43.13 (a)*
- Piper Cherokee six Service Manual 753-690, Cleveland Wheels & Brakes Technician's Service Guide AWBTSG0001-22 The Airplane Flight Manual.

Scott Farris A&P 3692748 I.A

ENGINE LOG

DATE: 09/9/2024-2024
AIRCRAFT: Piper PA 32-260
ENGINE: Lycoming IO-540-E4B5
PROPELLER: HARTZELL HC-C2YK-1BF

REGISTRATION: N130GH
Serial No: 32-124
Serial No. L-9862-40
Serial No. CH641

TACH: 4818
TTE: 4818
PTT: 4818

TTAF: 4818
TSMOH: 1713
TSMOH: 1125

Elapsed (adder) time since last entry = 35

I. DISCREPANCIES/MAINTENANCE : *Title 14 CFR part 43*
- Drained and replaced oil with 11 Qts of Phillips 20W50. Added CamGuard. Replaced engine oil filter. Part number AA48110-2 Old filter was dissected and inspected – no significant particles found.
- Wash engine and ground run. Checked for leaks – none observed at this time.
- Oil sample submitted for analysis. See Lab One report for results.

II. OPERATIONAL CHECK AND RUN UP.
- This aircraft, engine and propeller were ground run and found to be operating within limits in accordance with the Airplane Flight Manual Report No. VB-158 and the installed instrument markings and placards and the installed STC's.

II. REFERENCES: *Title 14 CFR part 43.13 (a)*
- Piper Cherokee six Service Manual 753-690, Cleveland Wheels & Brakes Technician's Service Guide AWBTSG0001-22 The Airplane Flight Manual.

Scott Farris A&P 3692748 I.A



Velocity Air
6201 S. Airfield Dr.
Tucson Arizona 85735
520434-0440

Make: Piper
Model: PA-32-260
Tail: N130GH
S/N: 32-124

Hours: 4841.68 Tach

Replaced rocker drain tube hose on cylinder # 1. re-torqued cyl 2-6 rocker drain tube clamps. Torqued cyl #6 rocker drain tube fitting to cylinder.
Engine returned to service.

Signed:
Name: Troy Neasham

Cert: 3635218 A&P
Date: 12/18/2024

	SUB-TOTAL THIS PAGE
	TOTAL - CARRY FORWARD TO NEXT PAGE

AIRCRAFT MAINTENANCE RECORD

Page No. _____

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		

Date: 03/18/2025 **Hours:** Tach: 4849.35 TSOH:
Tail#: N130GH
Make: Piper **Model:** PA-32-260 **S/N:** 32-124

Conducted an Annual/100hr. insp. IAW 14 CFR Part 43 App. D. // Drained oil and sent sample for testing. // Serviced with 11 qt. of Victory 100AW and 1 Pint of Cam Guard // Removed, insp, and installed new oil filter p/n:AA48110-2 // Checked and cleaned oil suction screen. // Removed and insp. carb inlet screen no debris noted // Checked stops on engine controls // Lubed all engine controls and checked for proper operation // Conducted a Cyl. Comp. check 1: 74/80 2: 76/80 3: 77/80 4: 79/80 5: 77/80 6: 79/80. // Removed, cleaned, re-gapped, rotated and tested spark plugs // Installed new exhaust head shroud from Aerospace Welding P/N 65041-00 // All AD's c/w and up to date as of Mar 2025 // Engine ground run for ops/leak ck complied with no defects noted // I certify this engine has been insp. and is approved for return to service
CW AD 2024-21-02, with oil change/visual insp, next due at next oil change

Darren Roberts
Velocity Air
Cert: 3587061 IA
Sign:

Date: 01/07/2026 **Hours:** Tach: 4,923.45
Tail#: N130GH
Make: Piper **Model:** PA-32-260 **S/N:** 32-124

Performed oil change. Drained oil & removed filter. Cut-open filter and inspected for contaminants, not defects noted. Installed new oil filter Tempest AA48110-2, 10 qts of Phillips 100 AW & 1 Pt. of Cam Guard. Performed ground run-up/leak check, ops check good.

Name: Troy Neasham
Signature:
Cert: 3635218 A&P

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Troy Neasham
6201 S. Airfield Dr.
Tucson, Arizona 85735

Make: Piper
Model: PA-32-260
Tail: N130GH
S/N: 32-124

Hours: Tach:251.76 TTSN:4959.33 1851.33 TTSMOH 900.

Performed 100-hour inspection of the engine in accordance with 14 CFR Part 43, Appendix D, Lycoming Service Manual, and Piper PA-32-260 Service Manual. Piper inspection checklist and applicable items from Appendix D were utilized.
Inspected engine and associated components. Adjusted and lubricated engine control cables. Adjusted mixture control cable. Replaced air filter P/N BA-104. Drained engine oil and sent sample to laboratory for analysis. Removed, cut open, and inspected oil filter; no contaminants or foreign material noted. Serviced engine with 10 quarts of Phillips 20W-50 oil.
Performed compression test with results as follows:
No. 1: 76/80
No. 2: 80/80
No. 3: 78/80
No. 4: 80/80
No. 5: 79/80
No. 6: 77/80
Removed exhaust system for inspection. Replaced (6) exhaust gaskets P/N 77611. Replaced muffler assembly P/N A68718-00 with new unit. Replaced muffler shroud P/N 69174-00 with overhauled unit. Replaced carburetor heat box P/N 65041-00 with overhauled unit.
All applicable Airworthiness Directives complied with; no ADs due at this time.
I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.

Signed:
Name: Troy Neasham
Cert: 3635218 A&P
Date: 04/23/2026

Date: 04/28/2026 **Hours:** TTAF 4959.33 Tach 251.76
Tail#: N130GH
Make: Piper **Model:** PA-32-260 **S/N:** 32-124

Completed Annual Inspection IAW FAR 43 App D.
All A/D's checked thru 04/28/26. No A/D's due at this time.
I certify this Engine has been inspected and has been determined to be in an airworthy condition.

Name: Jeff Bowers
Signature:
Cert: 3051002 IA

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Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
CARRIED FORWARD →		
		Date: 09/09/2026 **Hours:** Tach: 4,996.59
		Tail#: N130GH
		Make: Piper **Model:** PA-32-260 **S/N:** 32-124
		Performed ground run-up, drained oil, removed old filter, cut-open oil filter & inspected for foreign particles // Serviced engine with 10 pts of Phillips 20W-50, installed new Tempest oil filter AA48110-2 // Removed, inspected, cleaned, tested, & re-installed lower (6) spark plugs with (6) new M674 crush washers all IAW Tempest Service Manual // Performed ground run-up for leak check and performance check, ops check good //
		Aircraft Return to Service
		Name: Dylan Housley **Cert:** 4873276 A&P
		Signature: _____

ENGINE LOG

DATE: 10-27-2026 **REGISTRATION: N130GH**

AIRCRAFT: Piper PA 32-260	Serial No: 32-124	TACH: 5005	TTAF: 5005
ENGINE: Lycoming IO-540-E4B5	Serial No. L-9862-40	TTE: 5005	TSMOH: 1900
PROPELLER: HARTZELL HC-C2YK-1BF	Serial No. CH641	PTT: 5005	TSMOH: 1312

1. DISCREPANCIES/MAINTENANCE: *Title 14 CFR part 43*

- Removed propeller governor PCU5000 series. M/N: ATF4-4A. S/N: 201134 from engine. Governor bench tested by Warner Propellers and found serviceable.
- Cleaned governor mounting pad and mating surfaces; removed old gasket material and residue. Reinstalled governor with a new gasket.
- Repaired governor control linkage rod end; installed new bushings and hardware.

2. OPERATIONAL CHECK AND RUN UP.

- Engine ground run and propeller governor operation checked. Governor installation checked for leaks – none observed at this time.
- This aircraft, engine, and propeller were found to be operating within limits in accordance with the Airplane Flight Manual Report No.VB-158 and the installed instrument markings and placards and the installed STC's.
- Engine approved for return to service in accordance with Title 14 CFR 43.9.

3. REFERENCES: *Title 14 CFR part 43.13 (a)*

- Piper Cherokee Six Service Manual 753-690, the Airplane Flight Manual, the Lycoming Direct Drive Engines Overhaul Manual.
- The PCU5000 maintenance and overhaul manual is AT1431299.

Joseph Brock A&P 5248169, *Title 14 CFR 43.9 (a)(4)*

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