



Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226

N6081H

ENG TT: 3089.91

Engine SMOH:
1119.41

Hobbs: 3442.5

June 01, 2023

PROP TT: 3089.91

Prop SMOH: 1013.21

Tach: 3089.91

ENGINE

Inspected this engine as part of an Annual Inspection in reference to the Piper PA-28-181 Maintenance Manual and the scope and detail of 14 CFR Part 43 Appendix D. Compressions are as follows: 1) 72/80 2) 75/80 3) 72/80 4) 73/80. Drained oil, cut and checked filter, found no defects. Installed new oil filter P/N AA48110-2, torqued to 18 ft/lbs and safety wired .032 safety wire. Removed, cleaned, inspected, and reinstalled oil suction screen with new crush washer P/N MS35769-21. Serviced engine with 7 quarts of Phillips 20W-50 oil, 6 quarts supplied by owner. Adjusted Left and right magnetos to 25 degrees BTDC. Mags have 309.9 hours since overhaul. Removed, cleaned, inspected, tested, rotated, and reinstalled spark plugs with new copper washers, torqued to 35 ft/lbs. Complied with post engine functional and leak checks. Functional check and leak check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.



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I certify that this Engine has been inspected in accordance with a 100-Hour Inspection and was determined to be in airworthy condition

YEAR
2n

RECORDING
TACH

TODAY'S
FLIGHT

TOTAL
TIME IN

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of

wo: 6618

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N6081H

AFTT: 3108.9
PROP SMOH: 1032.2

ENG SMOH: 1138.4
PROP TT: 3108.9

ENG TT: 3108.9
Tach: 3108.9

July 24, 2024
Hobbs: 3439.6

ENGINE:

Ran engine to operational temperature. Compressions are as follows: 1)79/80 2)77/80 3)77/80 4)79/80. Borescoped all engine cylinders with nothing abnormal found. Drained oil and collected an oil sample. Removed and inspected oil suction screen and plug with no discrepancies noted. Reinstalled oil suction screen and plug with a new crush washer P/N MS35769-21 and safety wired. Removed, cut open, and inspected oil filter, with no issues recorded. Installed a new oil filter P/N AA48110-2, torqued to 18 ft/lbs., and safety wired in place. Serviced engine with 7 quarts of Phillips 66 20W-50 X/C oil. Installed a new Valve Cover Gasket P/N 06B-26669 on cylinder #3 and torqued valve cover hardware to 35 in/lbs. Adjusted timing on LH and RH magnetos to fire at 25° BTDC on cylinder #1, re-torqued mounting hardware to 204 in/lbs. Removed, cleaned, inspected, gapped, bench tested, rotated, reinstalled, and torqued all spark plugs to 35 ft/lbs. Pressure tested exhaust system with no defects discovered. Adjusted fuel mixture for a 25 RPM ICO rise. Post maintenance run-up and leak check satisfactory.

The above work was accomplished in reference to applicable maintenance manuals and other approved or acceptable data as appropriate. I certify that this Engine has been inspected as part of an Annual Inspection Checklist incorporating the scope and detail of 14 CFR Part 43 Appendix D, it was found to be in airworthy condition, and is released for return to service.

David Malone A&P IA 3879748

D. Malone

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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wo: 7136

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N6081H**July 09, 2025**

ACTT: 3123.88

ENG SMOH: 1153.38

ENG TT: 3123.88

HOBBS: 3461.7

TACH: 3123.88

ENGINE

Ran engine to operational temperature. Compressions are as follows: 1)70/80 2)76/80 3)77/80 4)76/80. Borescoped all engine cylinders with no discrepancies discovered. Drained oil and collected an oil sample. Removed, cut open, and inspected oil filter with nothing of note found. Installed a new oil filter P/N AA48110-2, torqued to 18 Ft/lbs., and safety wired in place. Removed, cleaned, inspected, and reinstalled oil suction screen and plug with nothing found. Reinstalled oil suction screen and plug with a new oil gasket P/N MS35769-21 and safety wired. Serviced engine with 7 quarts of Phillips 66 20W-50 X-C oil. Drained carburetor, reinstalled plug and safetied. Corrected LH Magneto timing to 25° BTDC on cylinder #1 compression stroke and torqued mounting hardware to 204 in/lbs. Cleaned, inspected, gapped, bench tested, rotated, and reinstalled all spark plugs with new copper gaskets, torqued to 35 Ft/lbs. Post maintenance run up and leak check satisfactory.

The above work was accomplished in reference to applicable maintenance manuals and other approved or acceptable data as appropriate. I certify that this Engine has been inspected as part of an Annual Inspection checklist incorporating the scope and detail of 14 CFR Part 43 Appendix D, was found to be in airworthy condition, and is released for return to service.

David Malone A&P IA 3879748