

Engine Log & Maintenance Record

LOG #: 1

RECORD OF Lycoming 0-360-A4M L-42332-36E
(MAKE) (MODEL) (SERIAL)

AIRCRAFT REGISTRATION NUMBER: N38696

FROM March 2023 TO _____ 20____

DETAILING TIME FROM 4,582.8 Tach TO _____
(HOURS) (HOURS)

If used on a multi-engine aircraft: — Right — Left — Front — Rear

Engine Log

Serial # _____

N38696 PA28-181 S/N: 28-7790577 ATT: 4,582.8

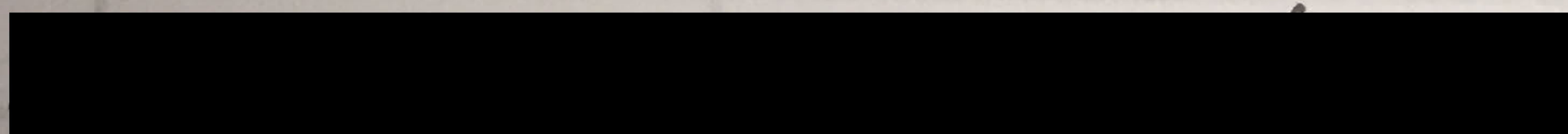
Lycoming O-360-A4M S/N: L-42332-36E ETT: 4,811.9

3/30/2023 Tach: 4,582.8 SFOH: 0

Removed Lycoming O-360-A4M S/N: RL-19503-36A due to low compressions at 2,334.0 SMOH. Installed overhauled Lycoming O-360-A4M S/N: L-42332-36E from Lycoming engines in Williamsport, PA W/O: MS-58093 dated 1/24/2023. ETT is 4,811.9 at the time of installation. Engine was shipped with the following (0 time) accessories installed: Carburetor, Fuel pump, Left and Right Magneto, Left and Right Ignition Harness. See aircraft record of accessories and major parts shipped with engine dated 1/17/2023. Installed new 12V Sky-Tec starter P/N: 149NL. Installed O/H Chrysler alternator P/N: 4111810. Installed new Lycoming alternator drive belt P/N: 07-15007. Installed new NDM oil cooler P/N: 20002A. Installed all new Lord engine mounts P/N: 07-01126. See aircraft records for all FAA 8130 forms. Cleaned cylinder baffling. Removed, cleaned, repainted, reinstalled engine mount to firewall. Serviced engine with 8 qts. Of Phillips type M mineral oil. Installed exhaust system and pressure tested for leaks, none found. Inspected engine using Piper Archer II inspection report & 100-hour inspection checklist. Performed engine run and checked for leaks, no leaks found and engine run satisfactory.

I certify this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.

Ryan Nelson



N38696 PA28-181 S/N: 28-7790577 ATT: 4,612.0

Lycoming O-360-A4M S/N: L-42332-36E ETT: 4,841.1

4/12/2023 Tach: 4,612.0 SFOH: 29.2

Drained used engine oil, removed and replaced oil filter with new champion P/N: 48110-1. Serviced with 8 qts of New Phillips type M mineral oil. Cut oil filter and inspected for metal, none found. Performed engine run up and checked for leaks, none found.

Ryan Nelson [REDACTED]

N38696 PA28-181 S/N: 28-7790577 ATT: 4,640.8

Lycoming O-360-A4M S/N: L-42332-36E ETT: 4,869.9

4/26/2023 Tach: 4,640.8 SFOH: 58.0

Drained used engine oil, installed new oil drain valve from SAF-AIR Products Inc. P/N: P5000, removed and replaced oil filter with new champion P/N: CH48110-1. Serviced with 8 qts of New Phillips X/C oil. Cut oil filter and inspected for metal, none found. Performed run up and checked for leaks, none found.

Ryan Nelson [REDACTED]

Total to Date: _____

Engine Log

Serial # _____

N38696 PA28-181 S/N: 28-7790577 ATT: 4,682.8

Lycoming O-360-A4M S/N: L-42332-36E ETT: 4,911.9

5/24/2023 Tach: 4,682.8 SFOH: 100.0

Inspected engine using Piper Archer II inspection report & 100-hour inspection checklist. Cleaned, gapped, inspected spark plugs. Exhaust system tested and found to be free of leaks. Drained engine oil, removed and replaced oil filter with new Champion oil filter P/N: CH48110-1, serviced with 8 qts of new Phillips 20w-50 X/C oil. Adjusted magneto timing to 25° BTDC. Performed run up and checked for leaks, none found.

Compression test results: 1. 77/80 2. 78/80 3. 80/80 4. 79/80

I certify this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.

Ryan Nelson

[Redacted Signature]

N38696 PA28-181 S/N: 28-7790577 ATT: 4,734.6

N38696 PA28-181 S/N: 28-7790577 ATT: 4,734.6

Lycoming O-360-A4M S/N: L-42332-36E ETT: 4,963.7

6/19/2023 Tach: 4,734.6 SFOH: 151.8

Drained used engine oil, replaced oil filter with new Tempest P/N: 48110-2. Serviced with 8 qts of New Phillips X/C oil. Cut oil filter and inspected for metal, none found. Performed run up and checked for leaks, none found.

Ryan Nelson [REDACTED]

N38696

8-4-2023 Tach 4784.9 Engine TT 5014.0 SMOH 202.1

Lycoming O-360-A4M SN-L42332-36E

Engine 100-hour inspection. Compression checked 78-76-78-78/80. Cleaned, gapped and tested plugs. Checked intake and exhaust systems for leaks and condition. Checked engine controls for proper hookup and ease of movement. Drained carb. Changed oil with Phillips 20w-50 and installed new AA48-110 oil filter, checked oil filter for contamination none found at this time. Checked and tightened alternator mounting bolts, tighten oil drain back hose clamps. Installed new rubber hose for engine breather. Repaired carb head shroud by welding and adding doublers as needed.

2004-10-14C Due at next overhaul or sudden stoppage.

I certify this engine has been inspected IAW a 100 hour inspection and was determined to be in airworthy condition at this time. [REDACTED]

Serial # _____

Dr	Serial	Total Time Since Overhaul	Engine TT	SMOH	Repairs, Adjustments, Service, Remarks	Signature	License #
	N38696						
BR	9-19-2023	Tach 4883.7	Engine TT 5112.8	SMOH 300.9			
	Lycoming 0-360-A4M SN-L42332-36E						
	Engine 100-hour inspection. Compression checked 76-76-78-76/80. Cleaned, gapped and tested plugs. Checked intake and exhaust systems for leaks and condition. Checked engine controls for proper hookup and ease of movement. Drained carb. Changed oil with Phillips 20w-50 and installed new AA48-110 oil filter, checked oil filter for contamination none found at this time.						
	2004-10-14C Due at next overhaul or sudden stoppage.						
	I certify this engine has been inspected IAW a 100 hour inspection and was determined to be in airworthy condition at this time. [REDACTED]						
	N38696	PA-28-181	S/N:28-7790577	ATT: 4 037 4			

condition at this time. 7
N38696 PA-28-181 S/N:28-7790577 ATT: 4,937.4

Lycoming 0-360-A4M S/N: L-42332-36E ETT: 5,166.5

10/9/2023 Tach: 4,937.4 SFOH: 354.6

Drained used engine oil replaced oil filter with new Tempest P/N: 48110-2. Serviced with 8 qts of New Phillips X/C 20w50 oil. Cut filter and inspected for metal, none found. Performed run up and checked for leaks, none found.

Ryan Nelson [REDACTED]

N38696

10-24-2023 Tach 4981.9 Engine TT 5211.0 SMOH 399.1

Lycoming 0-360-A4M SN-L42332-36E

Engine 100-hour inspection. Compression checked 76-76-78-76/80. Cleaned, gapped and tested plugs. Checked intake and exhaust systems for leaks and condition. Checked engine controls for proper hookup and ease of movement. Drained carb. Changed oil with Phillips 20w-50 and installed new AA48-110 oil filter, checked oil filter for contamination none found at this time.

2004-10-14C Due at next overhaul or sudden stoppage.

I certify this engine has been inspected IAW a 100 hour inspection and was determined to be in airworthy condition at this time. [REDACTED]

N38696

PA-28-181

S/N: 28-7790577

ATT: 5,035.38

1 century and eng
condition at this time.

N38696

PA-28-181

S/N: 28-7790577

ATT: 5,035.38

Lycoming O-360-A4M S/NL42332-36E SMOH: 452.58

11-08-2023 Tac Time: 5,035.38

Page Total:

Drained oil and cleaned screens, Installed new 48110 oil filter, no metal found. Serviced with 8 qts of
20W50 Phillips oil.

Bro

Tony Wiegman

IA

Total to Date:

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Engine Log

Serial # _____

N38696

Date					Signature	License #
12-2-2023		Tach 5080.9	Engine TT 5310.0	SMOH 498.1		
BR	Lycoming 0-360-A4M SN-L42332-36E					
	Engine 100-hour inspection. Compression checked 74-76-78-78/80. Cleaned, gapped and tested plugs.					
	Checked intake and exhaust systems for leaks and condition. Checked engine controls for proper hookup					
	and ease of movement. Drained carb. Installed one missing alternator mounting bolt. Tighten and safety					
	wire plug for oil suction screen. Changed oil with 8 quarts Phillips 20w-50 and installed new AA48-110					
	oil filter, checked oil filter for contamination none found at this time.					
	2004-10-14C Due at next overhaul or sudden stoppage.					
	I certify this engine has been inspected IAW a 100-hour inspection and was determined to be in airworthy					
	condition at this time. [REDACTED]					

N38696

2-1-2024	Tach 5179.7	Engine TT 5408.8	SMOH 596.9
Lycoming 0-360-A4M SN-L42332-36E			
Engine 100-hour inspection. Compression checked 78-75-78-76/80. Cleaned, gapped and tested plugs.			
Checked intake and exhaust systems for leaks and condition. Checked engine controls for proper hookup			
and ease of movement. Drained carb. Changed oil with 8 quarts Phillips 20w-50 and installed new			
AA48-110 oil filter, checked oil filter for contamination none found at this time.			
2004-10-14C Due at next overhaul or sudden stoppage.			
I certify this engine has been inspected IAW a 100-hour inspection and was determined to be in airworthy			
condition at this time. [REDACTED]			

N38696 PA-28-181 S/N: 28-7790577 ATT: 5,229.4

Lycoming O-360-A4M S/NL42332-36E SMOH: 646.6 Hors

2/23/2024 Tac Time: 5,229.4

Drained oil and cleaned screens, installed new 48110 oil filter, cut filter open to check for metal, no metal found. Serviced with 8 qts of 20W50 Phillips oil. Removed & Replaced oil pressure transducer with P/N 011-05783-30. Run engine to check engine for leaks, non-found. [REDACTED]

Tony Wiegman [REDACTED] IA

Page Total: _____

Brought Forward: _____

Total to Date: _____

All repair data must bear the endorsement of a certified mechanic, and his/her rating certificate number MUST be shown.