

STARTED 7-24-2014

#2



*The Standard*

**ENGINE LOG**


N53533

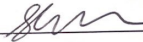
ASA-SE-1

Y	DATE	TOTAL	Description of Inspections, Tests, Repairs and Alterations
	7/24/2014	Total Time Since New: <u>1638.6</u>	
			This O-360-A4M S/N L-39267-36A excluding all accessories and installation parts was disassembled, cleaned, inspected and repaired in accordance with factory recommended procedures outlined in Lycoming Overhaul Manual 60294-7 using the parts listed in J.B. Aircraft Engine Service Inc. W/O 14-3629, 8ea ael75061bolt, 8ea ael12186 nut, 8ea ael13521 bearing, 4ea ael16711 bearing, 2ea ael13884 bearing, 1ea ael61084 spring, 1ea ael1028B ball, 1ea ael19600 vernatherm, 8ea 15b26262 lifter, 1ea 76097 Air Spec 225213 camshaft, 1ea ael-std-2213 screw installed IAW SB475-C, 1ea af15472 fuel pump, 4ea sl-std-1821 hose, 4ea sl69603 hose, 4ea ael14077-1 pin, 8ea sl74637 rocker bushing, 4ea sl36006w-a20P new Millennium Cylinder sn#s 16750, 16752, 16754, 16956, 1ea SL75439-1 seal and gasket kit, 8ea ae8001-4-1.25 intake bolt, 1ea AA48110-2 filter. The work listed was performed and inspected in accordance with current FAA regulations by:
		James N Brod Jr. A&P 3016060 IA <u>James N Brod Jr.</u>	
			Upon installation of serviceable accessories, installation parts, testing and adjustment in accordance with Lycoming SI 1427-B by the installing certificated mechanic. This engine should then be considered to be in overhauled condition 00:00 TSMOH. see related log entries by the installing certificated mechanic.
		-----END-----	

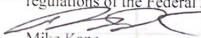
YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Date <u>10/01/2014</u> , PA28-181, N53533, SN 28-43579, ACTT:1638.6, Hobbs: 1913.6 Lycoming O-360-A4M, S/N L-39267-36A, TTSN 1638.0 TSMO 0.0
				-Installed overhauled engine in aircraft. (see JBAircraft Engines work order). Installed using new Lord Engine Mounts P/N J9613-40, Painted and repaired engine baffles, serviced with 8 Qts Aeroshell Mineral oil, installed using new Champion REM38E spark plugs, new champion ignition harness set, new Sky-Tec NL149 starter, overhauled MA4-5 Carburetor, new Tempest 215CC vacuum pump, OPS check and ground run OK. I certify this engine has been inspected IAW a 100 hr inspection and was found to be in airworthy condition at this time.
				Maintenance Release: I certify this aircraft has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.
				Michael Kane <u>Michael Kane</u> A&P 3313807IA



YEAR: _____ 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.)
				Date 12/30/2015, PA28-181, N53533, SN 28-43579, ACTT: 1712.6, Hobbs: 1992.0 Lycoming O-360-A4M, S/N L-39267-36A, TTSN 1712.6 TSMOH: 74.6
				-Performed 100 Hr inspection IAW Piper PA28-181 AMM
				-Checked compression (#1 76/80, #2 74/80, #3 77/80, #72/80)
				-Changed oil and oil filter, Inspected old filter for metal and none found at this time.
				-Cleaned and checked gap on spark plugs.
				I certify this engine has been inspected IAW a 100hr inspection and was found to be in airworthy condition at this time.
				Michael Kane  A&P 3313807IA

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				Tail <u>N53533</u> Date <u>06/14/16</u> Hours <u>1409.4 hr</u>
				<u>DRAINED OIL + REMOVED FILTER. REPLACED FILTER</u>
				<u>w/ CH49110-1 AND ADDED 9QT AEROSHELL W100 PLUS.</u>
				<u>RAN ENGINE + LEAK CHECKED.</u>
				 Shaun Horne 3854710 A&P
				Switlik Aviation Maintenance Inc Fort Myers FL 239-936-3666

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DATE				
06/17/16	1809.4		1809.4	PERFORMED 100HR INSPECTION IAW PIPER AMM
				COMPRESSION AS FOLLOWS #1 78/80 #2 79/80 #3 79/80 #4 78/80
				CLEANED, GAPPED, TESTED, AND ROTATED SPARK PLUGS, INSPECTED IGNITION LEADS
				FRONT CRANK SEAL REPLACED DUE TO LEAKING.
				CHECKED MAG TIMING, RH MAG LAGGED 5°, RETIMED RH MAG, BOTH MAGS 25° ADV. BTDC
				INSPECTED EXHAUST SYSTEM FOR CRACKS/LEAKS, NONE FOUND
				REPLACED OIL FILTER NECK GASKET DUE TO LEAKS
				OIL CHANGE/FILTER OMITTED DUE TO CHANGE PERFORMED 06/14/16
				I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION
				AND FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME.
				SHAUN HORNE BCI AP 3954710

YEAR:	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.)
DATE				
				Date: 1/10/2017, Piper PA28-181, N53533, S/N 28-43579, ACTT: 1844.1 HOBBS: 2140.9 Lycoming O-360-A4M, S/L-39267-36A, TTSN: 1844.1 TSMOH: 205.5
				<ul style="list-style-type: none"> <li>Performed 100hr insp IAW Piper PA28-181 AMM</li> <li>Checked compression (#1 77/80, #2 74/80, #3 75/80, #4 72/80)</li> <li>Changed oil and filter, used 8 qt Aeroshell W100 plus and Champion CH48110-1, inspected old filter for metal, none found at this time</li> <li>cleaned, gapped, tested and rotated spark plugs</li> <li>checked mag timing to engine</li> <li>Insp exhaust sytem for leaks, none found at this time</li> </ul>
				Maintenance Release: I certify this aircraft/engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service
				 Mike Kane AP 3313807 1A

YEAR: 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.)
7/7/17	1901.7	TSMON	263.1	Changed oil + Filter, serviced with 7 quarts Aeroshell w/100 plus + CH48110 oil filter. Run up + Test Flight OK AP333830
12/18/17	1934.6			Changed oil + Filter, serviced with 8 quarts Aeroshell 100 Plus, installed new CH48110 Filter, checked compressions, All better than 7/90. Lubed all engine controls, Adjusted Mag Timing. AD 17-16-11 NA by Engine S/N and Date of overhaul. I certify this engine has been inspected IAW an Annual 100 hr inspection and was


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				found to be in airworthy condition at this time. AP333807 IA
12/11/18	1980.7	TSMON	342.1	Changed oil + Filter, serviced with 8 quarts Aeroshell W100 plus and CH48110-1 oil Filter. Run up and leak check good AP3578858

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

Date: 01/01/2019, Piper PA28-181, N53533, S/N 28-43579, ACTT: 1987.3 HOBBS: 2302.9  
Lycoming O-360-A4M, S/L-39267-36A, TTSN: 1987.3 TSMOH: 349.3

- Performed 100hr insp IAW Piper PA28-181 AMM
- Checked compression all greater than 72/80
- cleaned, gapped, tested and rotated spark plugs
- checked mag timing to engine
- Inspected exhaust system for leaks, none found at this time

Maintenance Release: I certify this engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service

  
Kellen Luksch  
AP 3578858 IA


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



Date: 02/25/2019, Piper PA28-181, N53533, S/N 2843579, ACTT: 2008.6,  
HOBBS: 2326.0, Lycoming O-360-A4M, S/N: L-39267-36A, TTSN: 2008.6,  
TSMOH: 370.0

- Removed and replaced Engine driven vacuum pump P/N: 215CC, S/N: 182340, Performed ops check - no defects at this time

**Maintenance Release:** I certify this engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service

  
Kellen Luksch  
AP 3578858



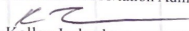
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DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



Date: 04/15/2019, Piper J A28-181, N53533, S/N: 2843579, ACTT: 2031.0  
Lycoming O-360-A4M, S/N: L-39267-36A, TTSN: 2031.0, TSMOH: 392.4

- Changed oil and filter, Serviced engine with 8qt Aeroshell W100 plus
- Removed oil filter and cut open, inspected for contaminants, no defects noted at this time
- Replaced with a new Champion CH48 10-1 filter
- Cleaned motor with mineral spirits, performed ground run and leak check, none noted at this time

**Maintenance Release:** I certify this engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service

  
Kellen Luksch  
AP 3578 358


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



Date: 10/22/2019, Piper J A28-181, N53533, S/N: 2843579, ACTT: 2073.8  
Lycoming O-360-A4M, S/N: L-39267-36A, TTSN: 2073.8, TSMOH: 435.2

- Changed oil and filter, Serviced engine with 8qt Aeroshell W100 plus
- Removed oil filter and cut open, inspected for contaminants, no defects noted at this time
- Replaced with a new Champion CH48 10-1 filter
- Cleaned motor with mineral spirits, performed ground run and leak check, none noted at this time

**Maintenance Release:** I certify this engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service

  
Kellen Luksch  
AP 3578 358



**Date:** 04/17/2020, Piper PA28-181, N53533, S/N: 28-43579, ACTT: 2094.5, HOBBS: 2420.1,  
Lycoming 0-360-A4M, S/L-39267-36A, TTSN: 2094.5, TSMOH: 456.5

- Performed Annual/100hr insp IAW Piper PA28-181 AMM, Lycoming 100hr checklist and CFR FAR part 43 appendix (d).
- Checked compressions, #1 72/80, #2 74/80, #3 74/80, #4 76/80
- Cleaned, gapped, tested, and rotated spark plugs.
- Checked mag timing to engine.
- Insp exhaust system and muffler for leaks, none found at this time.
- Changed oil and filter, P/N: CH48110-1, Serviced engine with 8qt Aeroshell W100 plus
- Cut Filter open, checked for contaminants, none found at this time
- Performed leak and ops check, no defects noted at this time.
- Checked AD's through current.

**Maintenance Release:** I certify this engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

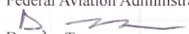
  
Douglas Trance  
AP 3622362 IA



**Date:** 05/06/2021, Piper PA28-181, N53533, S/N: 28-43579, ACTT: 2131.8, HOBBS: 2460.7  
Lycoming 0-360-A4M, S/L-39267-36A, TTSN: 2131.8, TSMOH: 493.8

- Performed Annual/100hr insp IAW Piper PA28-181 AMM, Lycoming 100hr checklist and CFR FAR part 43 appendix (d).
- Checked compressions, #1 70/80, #2 74/80, #3 72/80, #4 72/80
- Cleaned, gapped, tested, and rotated spark plugs.
- Checked mag timing to engine.
- Insp exhaust system and muffler for leaks, none found at this time.
- Changed oil and filter, P/N: CH48110-1, Serviced engine with 8qt Aeroshell W100 plus
- Cut Filter open, checked for contaminants, none found at this time
- Performed leak and ops check, no defects noted at this time.
- Checked AD's through current.

**Maintenance Release:** I certify this engine has been inspected and or repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

  
Douglas Trance  
AP 3622362 IA



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Engine Logbook

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Chapter 4&5 items completed at this time

- Performed Annual/100hr insp IAW Piper PA28-181 AMM, Lycoming 100hr checklist and CFR FAR part 43 appendix (d).

Performed the Following Maintenance Tasks at This Time

- Checked compressions, #1 72/80, #2 74/80, #3 72/80, #4 78/80
- Insp exhaust system and muffler for leaks, none found at this time.
- Removed and Replaced L/H and R/H Magnetos. P/N: 4370, S/N: 14041415 and P/N: 4371, S/N: H-WH10026
- Removed and Replaced Magneto Harnesses with new. R/H P/N: M2992R, L/H P/N: M1795R
- Performed engine to magneto tuning. Adjust to 26 Right and 26 Left degrees before TDC.
- Removed and replaced all 8 Spark Plugs with new. P/N: REM38E
- Removed and Replaced Carburetor with O/H Unit. P/N: AV10-6102, S/N: AV20799205
- Changed oil and filter. P/N: CH48110-1. Serviced engine with 8qt Phillips Victory 100
- Cut Filter open. checked for contaminants, none found at this time.
- Performed leak and ops check, no defects noted at this time.

Airworthiness Directives complied with at this time.

- AD 84-26-02 by insp of induction air filter, Insp next due 9/31/2023 or 2247.1 tach. Next filter (P/N: P617058) replacement due: 2594.5 Tach
- All AD's checked current

Maintenance Release: I certify this engine has been inspected and or repaired in accordance with an ANNUAL/100hr inspection and current regulations of the Federal Aviation Administration and is deemed airworthy and approved for return to service.

  
Kellen Luksch

AP 3578858 IA

# Engine Logbook

Date: April 27, 2023



Reg No: <b>N53533</b>	Aircraft Type: <b>PA-28-181</b>	Aircraft S/N: <b>2843579</b>
Tach Hours: <b>2162.3</b>	Hobbs: <b>2498.0</b>	Aircraft Total Time: <b>2498.0</b>

1. Drained engine oil added 8 qt of **W100plus** and installed new filter **AA48110-2**.
2. Installed intake scat tube **P/N 457-699**.
3. Reinstalled previously removed factory primer lines and installed new bracket **P/N 453-416**.
4. Installed new breather hose.
5. Installed all new oil return couplings **P/N SL-STD-1821**
6. Installed new exhaust and intake gaskets **P/N 77611 P/N69603 P/N71973**.
7. Installed new felt on carb heat valve Ops check good.
8. Installed all new engine isolator mounts **P/N J9613-40** IAW Piper Maintenance Manual.
9. Installed new alternator belt **P/N 73965-020**.
10. Installed new mixture control arm bushing **P/N: 63900-119**.

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

Date: 4-27-2023

Signed: \_\_\_\_\_

Cody Ray Matthews A/P 3804633