

5324P CURRENT ENGINE LOGBOOK



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer LYCOMING Model O-360-A4M
Serial L-36194-36A Type Certificate E-286

This engine is currently installed in aircraft: _____

Minimum Octane Fuel 100/100LL Oil Grade: Summer 100 Winter 80
Magnetto Time 25 BTC Point Setting _____ Firing Order 1-3-2-4

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours

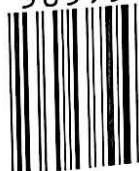
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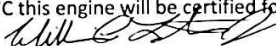
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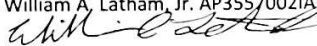


| YEAR 20 DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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07/01/2024, Lycoming O-360-A4M, SN: L-36194-36A, TTE: 2974.40, SMOH: 0.0. This engine was overhauled to new parts limits IAW Lycoming Overhaul Manual Direct Drive Engines PN: 60294-7 and SSP-1776, Part 1. See engine logs for appropriate FAA Form 8130-3's for the overhaul of the following items. Crankshaft PN: 13B47134 SN: R58091-1, Connecting Rods 2 each PN: LW-11750 on #1 & #2, Connecting Rods 2 each (NEW) PN: AEL11750 on #3 & #4. Crankcase PN: LW-13820, Rocker Arms 8 each PN: 17F19357, Cylinder Assemblies 4 each PN: LW-12397, SN's: 6802-1, 6802-2, 6802-3, 6802-4. New items installed as follows: Idler Gear PN: 74996, Idler Gear PN: 75072, Cam Shaft PN: LW-18840, Lifters 8 each PN: SL72877, Hydraulic Units 8 each PN: 78290, Crankshaft: Nose Main Bearing 2 each PN: SL13884A, Crankshaft: Intermediate and Rear Main Bearings 4 each PN: SL16711A, Connecting Rod Bearing 8 each PN: SL13521A M003, Connecting Rod Bolt 8 each PN: SL75061, Connecting Rod Nut 8 each PN: SL12186, Thru Stud 4 each PN: SL76220, Crankshaft Gear PN: SL13S19646, Crankshaft Gear Screw PN: SL-STD-2213, Crankshaft Gear Lock Plate PN: SL18639, Piston Pins 4 each PN: LW-14078, Piston Plugs 8 each PN: 72198. Rocker Arm Shafts 4 each PN: SL13790A, Hexagon Nuts 18 each PN: STD-2090, Hexagon Nuts 16 each PN: SL383-B, Oil Pump Housing PN: SL785531, Oil Pump Impeller Kit PN: SL78528, Oil Pump Drive Shaft PN: SL61174A, Valve Oil Control Vernatherm PN: SL53E19600, Oil Pressure Relief Spring PN: 61084, Oil Pressure Relief Ball PN: 1028-B, Fuel Pump Plunger PN: SL61544.

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Inner Cylinder Baffles 2 each PN: SL75339, Engine Overhaul Gasket Set PN: SL69371-1, Induction Hose 4 each PN: SL69603, Oil Return Hose 4 each PN: SL-STD-2180. Serviceable items (within new limits) Pushrod Assemblies 1 each PN: 73434 and 7 each PN: 73435, Tachometer Shaft PN: 76121. All Airworthiness Directives are current up through FAA Biweekly 2024-13, 06/17/2024 - 06/30/2024, all applicable Lycoming Service Bulletins have been complied with, see engine records for complete details. Upon completion of Lycoming Overhaul Manual Direct Drive Engines: Section 9, Test Procedures and Lycoming Service Instruction SI-1427C this engine will be certified for return to service. -----END----- William A. Latham, Jr. AP3557002IA 

07/01/2024, Lycoming O-360-A4M, SN: L-36194-36A, TTE: 2974.4, SMOH: 0.0. This engine requires compliance with Lycoming Overhaul Manual Direct Drive Engines PN: 60294-7, Section 9, Test Procedures and Lycoming Service Instruction SI-1427C and an appropriate logbook entry detailing that said procedures have been performed satisfactorily by an FAA certified engine mechanic and is entered in this logbook prior to return to service. -----END----- William A. Latham, Jr. AP3557002IA 

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07/01/2024, Lycoming O-360-A4M, SN: L-36194-36A, TTE: 2974.4, SMOH: 0.0. This engine was supplied to customer without magnetos, ignition harness, sparkplugs, fuel pump and carburetor. -----END-----
William A. Latham, Jr. AP3557002IA 

Created: Mon, 08/19/24 Model: S/N L-36194-36A

TACH: 1375.7 TTIS: 2974.40 TSOH: 0

Installed overhauled engine S/N L-36194-36A on N5324P S/N 2843452. Installed overhauled carburetor P/N 10-5193. Installed carburetor gasket P/N 5166724. Installed an inboard gasket P/N MC63684-04. Installed new alternator P/N ALU-B532. S/S/N H-Y050737. Installed overhauled magneto P/N 4371 S/N H-Y030382. Installed overhauled magneto P/N 4370 S/N H-Y070054. Installed new oil filter P/N AA48110-2. Used 7qts aeroshell mineral 100W. Complied with Lycoming Direct Drive Manual Sec. 9 test procedure SI-1477C. Ops check good. Worked done per Lycoming Direct Drive Overhaul Manual.

Josh Kennedy A&P #4653415 Date: Mon, 08/19/24 Signature: 

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Created: Mon, 08/26/24 Model: O-360-A4M S/N: L-36194-36A

TACH: 1401.9 TTIS: 3224.4 TSOH: 250.0

Completed a 50 Hr inspection IAW Piper PA-28-181 AMM inspection list. Cut open oil filter no metal found. Replaced filter P/N 48110-2. Added 7qts Aeroshell W100.



Josh Kennedy A&P #4653415 Date: Mon, 08/26/24 Signature: 



Created: Wed, 09/11/24 Aircraft Registration Number: N5324P Model: O-360-A4M S/N: L-36194-36A

TACH: 1470.5 TTIS: 3203.0 TSOH: 318.6

Warmed engine for oil change and compression testing. #1 78/80 #2 79/80 #3 76/80 #4 79/80. Spark plugs removed for cleaning, gapping, inspection, and reinstalled. Magneto timing checked. Inspected engine for security of wiring and cable routing. Engine controls operationally inspected for security and lubricated. Oil drained and replaced with 7 qts of AeroShell W100 oil. Oil filter cut and inspected. No abnormalities noted. New Tempest AA48110-2 filter installed and safety wired. Engine inspected and washed down with mineral spirits. This aircraft has been inspected IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. AD Researched through Airframe report 2024-18, 08/26/2024-09/08/2024. No applicable AD's due at this time. I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

Dwayne Konick AP 2066698 IA 9/11/2024 

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| Created Tue 09/24/24 | Model O-360-A4M | S/N L-36194-36A | TACH 15046 TTIS 3327.1 TSOH 352.7 | |
| Removed Magneto P/N 4371 S/N H-Y030382 replaced with overhauled magneto P/N 4371 S/N H-Y051262 per Lycoming direct drive overhaul MM Sec. 4 | | | | |
| Josh Kennedy A&P #4653415 Date Tue 09/24/24 Signature  | | | | |
| Created Thu 10/17/24 | Model O-360-A4M | S/N L-36194-36A | TACH 15659 TTIS 3388.3 TSOH 413.9 | |
| Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-20. Compressions #1 78/80 #2 79/80 #3 79/80 #4 71/80. Removed and replaced Cyl #2, 3, 4 rocker box gasket P/N APS-75906-S. Removed and replaced tailpipe hanger clamp P/N A24791-006. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. I certify that this engine has been inspected in accordance with 100 Hr inspection and has been determined to be in an airworthy condition. | | | | |
| Josh Kennedy A&P #4653415 Date Thu 10/17/24 Signature  | | | | |
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| Created Thu 10/31/24 | Aircraft Registration Number: N5324P | Model O-360-A4M | S/N | |
| L-36194-36A | | | | |
| TACH 1597.7 | TTIS 3418.4 | TSOH 444.0 | | |
| Replaced crankshaft oil seal P/N LW-13792. All work done with reference to Lycoming Overhaul Direct Drive Manual, Lycoming Service Instructions 1324D and Piper PA-28-181 AMM. Performed operational run. Leak check satisfactory. | | | | |
| Logan Baker A&P #4638550 Date Thu 10/31/24 Signature  | | | | |
| Wed 11/20/24 | Model O-360-A4M | S/N L-36194-36A | TACH 1660.5 TTIS 3481.7 TSOH 507.3 | |
| Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00. Researched AD's through bi-weekly report 2024-23. None applicable at this time. Compressions #1 72/80 #2 72/80 #3 74/80 #4 76/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. | | | | |
| I certify that this engine has been inspected in accordance with 100 Hour Inspection and has been determined to be in an airworthy condition. | | | | |
| Owen Fortney A&P #4429081 Date Wed 11/20/24 Signature  | | | | |
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Created 02/14/2025 Aircraft Registration Number: N5324P Make: Lycoming
Model: O-360-A4M S/N L-36194-36A TT 4.60 TTIS 3328.00 TSOH 353.60

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360 MM. Researched AD's through bi-weekly report 2025-03. No applicable AD's due at this time. Compressions #1 78/80 #2 77/80 #3 78/80 #4 76/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W80. Cleaned, inspected, gapped, tested, and reinstalled spark plugs. Performed engine run up and leak check, no defects noted.

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

Landon Reeder A&P 4369883 Date: 2/24/25 Signature:

KC

Created 05/02/2025 Aircraft Registration Number: N5324P Make: Lycoming Model: O-360-A4M S/N L-36194-36A TT 96.60 TTIS 3420.00 TSOH 445.60

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360 MM. Researched AD's through bi-weekly report 2025-08. No applicable AD's due at this time. Compressions #1 72/80 #2 72/80 #3 76/80 #4 70/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. Cleaned, inspected, gapped, tested, and reinstalled spark plugs. Performed engine run up and leak check, no defects noted. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition.

Josh Kennedy A&P 4653415 Date: 5/2/25 Signature:

or

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Created 06/18/2025 Aircraft Registration Number: N5324P Make: Lycoming Model: O-360-A4M S/N L-36194-36A TT 183.50 TTIS 3506.90 TSOH 532.50

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-181 AMM 5-20-00 and Lycoming O-360 MM. Researched AD's through bi-weekly report 2025-12. No applicable AD's due at this time. Compressions #1 78/80 #2 72/80 #3 76/80 #4 72/80. Drained oil sump, removed and cut open oil filter. No metal found. Installed oil filter P/N AA48110-2 and serviced oil sump with 7qts of Aeroshell W100. Cleaned, inspected, gapped, tested, and reinstalled spark plugs. R/H magneto out of tolerance, retimed to engine. Performed engine run up and leak check, no defects noted.

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

Frank Horveath A&P 5135166 Date: 6/18/25 Signature:

SP

Created 06/23/2025 Aircraft Registration Number: N5324P Make: Lycoming Model: O-360-A4M S/N L-36194-36A TT 183.50 TTIS 3506.90 TSOH 532.50

Pilot reported bad mag drop on RH mag. Removed mag and re-stabbed mag and performed mag timing. Torqued mag keeper nuts to 18ftlb. performed engine test run, test run satisfactory, no further defects noted. All work done IAW Lycoming O-360 MM.

Landon Reeder A&P 4369883 Date: 6/23/25 Signature:

Landon Reeder

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