

10-19-23 To Current Engine #3



The Standard

ENGINE LOG

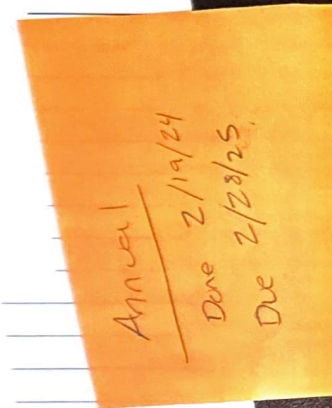
ASA-SE-1

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.)
10/19/2023				<p>Lycoming O-320-E3D, SN: L-46746-27A, TTE: 4430.31, 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: 76591 SN: R57420-1, Connecting Rods 4 each PN: 78030, Crankcase PN: 72082 SN:5027, Accessory Housing PN: LW-12407, Tachometer Shaft PN: 76121, Idler Gear PN: 74996, Idler Gear PN: 75072, Rocker Arms 8 each PN: 18790. New items installed as follows: Cam Shaft PN: LW-18840, Lifters 8 each PN: 15B25588, Hydraulic Units 8 each PN: 78290 Crankshaft Main Bearing 8 each PN: SL68763A-M006, Connecting Rod Bearing 8 each PN: SL61662A-M003, Connecting Rod Bolt 8 each PN: SL78027, 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, Cylinder Assemblies #1 & #2 PN: LW12417 Chrome bore, #3 & #4 PN: LW-12417 Nitrated bore. Pistons 4 each PN: SL75413A all weights 1147 grams. Piston rings #1 & #2 cylinders Compression PN: SL74673A, Oil SL73998A, #3 & #4 cylinders Compression PN: SL74241A, Oil PN: SL 73857A. Piston Pins 4each PN: LW-14078, Piston Plugs 8 each PN: 72198. Hexagon Nuts 18 each PN: STD-2090, Hexagon Nuts 16 each PN: SL383-B, Oil Pump Housing PN: SL785531, Oil Pump Kit PN: SL78528, Oil Pump Drive Shaft PN:</p>

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				<p>SL61174A, Valve Oil Control Vernatherm PN: SL53E19600, Oil Pressure Relief Spring PN: 61084, Oil Pressure Relief Ball PN: 1028-B, Engine Overhaul Gasket Set PN: SL69371-1, Induction Hose 4 each PN: SL69603, Oil Return Hose 4 each PN: SL-STD-2180, Fuel Pump MN: AF-15472, SN: 12LC28. Serviceable items (within new limits) Pushrod Assemblies 4 each PN: 15F19957-13 and 4 each PN-15F19957-12. All Airworthiness Directives are current up through FAA Biweekly 2023-21, 09/25/2023-10/08/2023, 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 this engine will be certified for return to service. -----END----- William A. Latham, Jr. AP3557002IA</p> <p><i>[Signature]</i></p>
				<p>10/19/2023, Lycoming O-320-E3D, SN: L-46746-27A, TTE: 4430.31, SMOH: 0.0. This engine was supplied to customer without magnetos, ignition harness, sparkplugs, and carburetor -----END----- William A. Latham, Jr. AP3557002</p> <p><i>[Signature]</i></p>

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10/19/2023				Lycoming O-320-E3D, SN: L-46746-27A, TTE: 4430.31, SMOH: 0.0. This engine requires compliance with Lycoming Overhaul Manual Direct Drive Engines PN: 60294-7, Section 9, Test Procedures and an appropriate logbook entry detailing that said procedures has been entered by a properly rated powerplant mechanic prior to return to service. -----END----- William A. Latham, Jr. AP3557002IA <i>WAL</i>


YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				<p>Created 02/19/2024 S/N: L-46746-27A Engine 1 Tach 1411.90 TTIS 4430.31 TSOH 0.00</p> <p>Installed this engine on N15CH per PA28-151 M.M. section 8. Installed L/H overhauled magneto P/N: 4371 S/N: 11011257 and timed to 25 BTDC. Installed R/H overhauled magneto P/N: 4370 S/N: L-09187 Installed new R/H magneto harness P/N: M-2092. Installed overhauled carburetor 10-5009 S/N: MS13RW09. Installed serviceable used flywheel P/N: 74414. Installed new primer system P/N: 05K26024. All work was done per Lycoming direct drive overhaul manual. All was leaked and ops check and was good.</p> <p>Gregory Warton #3807766 A&P IA Date: 2/19/24 Signature: <i>Gregory Warton</i></p>
				<p>Created 03/11/2024 O-320-E3D S/N L-46746-27A Engine 1 Tach 1462.80 TTIS 4481.21 TSOH 50.90</p> <p>Completed 50 Hr. oil change. 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. Ops check good.</p> <p>Josh Kennedy A&P#4653415 Date: 3/11/24 Signature: <i>Josh Kennedy</i></p>




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KC

Created 03/26/2024 O-320-E3D S/N L-46746-27A Engine 1
Tach 1504.20 TTIS 4522.61 TSOH 92.30
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151 AMM. Researched AD's through bi-weekly report 2024-06. No applicable AD's due at this time. Compressions #1 78/80 #2 78/80 #3 72/80 #4 74/80. 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. Replaced #3 and #4 leaking valve cover gaskets with P/N APS-75906-S-3.
I certify that this engine has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.


Logan Baker P#4638550 Date: 3/26/24 Signature: 

KC

Created 05/03/2024 O-320-E3D S/N L-46746-27A Engine 1 Tach 1601.80 TTIS 4620.21 TSOH 139.90
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151 AMM. Researched AD's through 2024-08. 04/08/2024-04/21/2024. No applicable AD's due at this time. Compressions #1 78/80 #2 76/80 #3 74/80 #4 74/80. 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.
I certify that this engine has been inspected in accordance with 100 Hour inspection and was determined to be in airworthy condition.
Owen Fortney # A&P 4429081 Date: 5/3/24 Signature: 

if Technician or

KC

Created 07/04/2024 O-320-E3D S/N L-46746-27A Engine 1 Tach 1699.0 TTIS 5260.9 TSOH 287.1
Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151 AMM and Lycoming MM. Researched AD's through 2024-13, no applicable AD's due at this time. Compressions #1 70/80 #2 78/80 #3 75/80 #4 73/80. 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. Performed ops and leak check. no defects noted.
I certify that this engine has been inspected in accordance with 100 Hour inspection and was determined to be in airworthy condition.
Landon Reeder A&P 4369883 Date: 7/4/24 Signature: 

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Created Fri, 08/02/24 Model: 0-320-E3D S/N: L-46746-27A TACH: 1795.8 TTIS: 4814.4 TSOH: 384.1

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151 AMM 5-20-00. Researched AD's through bi-weekly report 2024-15. No applicable AD's due at this time. Compressions #1 76/80 #2 70/80 #3 72/80 #4 73/80. 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. Removed vacuum pump accessory gasket P/N 61173. Everything done IAW Lycoming O-320 overhaul manual.

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

Owen Fortney A&P #4429081 Date: Fri, 08/02/24 Signature: *Owen Fortney*

Created Tue, 08/27/24 Model: 0-320-E3D S/N: L-46746-27A

TACH: 1889.6 TTIS: 4902.9 TSOH: 472.6

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00 and Lycoming MM. Researched AD's through bi-weekly report 2024-18. No applicable AD's due at this time. Compressions 1 72/80 2 78/80 3 73/80 4 72/80. Drained engine oil sump. Removed and inspected engine oil suction screen and filter. No defects noted. Reinstalled oil suction strainer and oil filter. Serviced sump with 7Qts Aeroshell 100W. Replaced Cyl #2 rocker cover gasket with new gasket P/N RG-75906-SP.

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

Landon Reeder A&P #4369883 Date: Tue, 08/27/24 Signature: *Landon Reeder*

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tificate Number of Technician or
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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 Basic Facility (See back)
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Created: Thu, 09/19/24 Model: 0-320-E3D S/N: L-46746-27A TACH: 1986.0 TTIS: 4998.9 TSOH: 568.8

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00. Researched AD's through bi-weekly report 2024-18. No applicable AD's due at this time. Compressions 1 78/80 2 74/80 3 72/80 4 72/80. Drained engine oil sump. Removed and inspected engine oil suction screen and filter. No defects noted. Reinstalled oil suction strainer and oil filter P/N AA48110-2. Serviced sump with 7Qts Aeroshell 100W. I certify that this engine has been inspected in accordance with a 100 Hr. inspection and has been determined to be in an airworthy condition.

Josh Kennedy A&P #4653415 Date: Thu, 09/19/24 Signature: *Josh Kennedy*

Wed, 10/16/24 Model: 0-320-E3D S/N: L-46746-27A TACH: 2083.3 TTIS: 5094.5 TSOH: 664.2

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151 AMM 5-20-00. Researched AD's through bi-weekly report 2024-20. No applicable AD's due at this time. Compressions #1 66/80 #2 76/80 #3 76/80 #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 W100. Removed and replaced cylinder #2 intake gasket P/N: 71913. Everything done IAW Lycoming O-320 overhaul manual.

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, 10/16/24 Signature: *Owen Fortney*

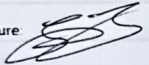
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Created: Fri, 11/15/24 Aircraft Registration Number: N15CH Make: Lycoming Model: O-320-E3D S/N: L-46746-27A

TACH: 2175.9 TTIS: 5133.1 TSOH: 702.8

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00. Researched AD's through bi-weekly report 2024-22. AD 2024-21-02 not applicable due date of overhaul and parts used. No applicable AD's due at this time. Compressions #1 74/80 #2 70/80 #3 74/80 #4 74/80. 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. Replaced cylinder #2 intake gasket P/N 71973

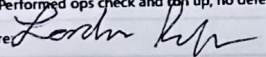
I certify that this engine has been inspected in accordance with a 100 HR inspection and has been determined to be in an airworthy condition.

Logan Baker A&P #4638550 Date: Fri, 11/15/24 Signature: 

Thu, 12/12/24 Model: O-320-E3D S/N: L-46746-27A

TACH: 2231.6 TTIS: 5188.5 TSOH: 758.2

Replaced faulty LH magneto P/N 4371 S/N 11011257/L-09354 with overhauled magneto P/N 4371 S/N H-Y090403 using PA-28-151 AMM and Lycoming Direct Drive MM as guide. Performed ops check and run up, no defects noted.

Landon Reeder A&P #4369883 Date: Thu, 12/12/24 Signature: 

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Number of Technician or

YEAR
20
DATE

KC

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations
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rations

Number of Technician or

Created 02/14/2025 Aircraft Registration Number: N15CH Make: Lycoming

Model: O-320-D3G S/N: ~~28-7413271~~ L-46746-27A TT: 2259.30 TTIS: 5216.5 TSOH: 786.2

Completed a 100 HR inspection IAW FAR 43 app. D with reference to Piper PA-28-151/161 AMM 5-20-00 and Lycoming DDMM. Researched AD's through bi-weekly report 2025-03. No applicable AD's due at this time. Compressions #1 72/80 #2 78/80 #3 78/80 #4 78/80. 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. During inspection found #1 cylinder valve cover gasket leaking, installed new gasket P/N RG-75906-SP.

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.

Kodie Smith A&P 4788841 Date: 2/14/25 Signature: 

DATE _____

KC

WL

1-46746-27A

William A. Latham, Jr. AP35570021A