

N82757 ENGINE Log

STARTED 9/8/21

TACH 4815.35

HOBBS 537.62

AFT LOG

400-80-2

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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Date: 09/05/2025 Hours: Tach: 6268.21 Hobbs: 2303.1

Tail#: N82757

Make: Piper

Model: PA-28-161

S/N: 28-8116054

Cont.

Used existing hardware for oil pan, accessory gearcase bolts, magnetos, Fuel Pump, vacuum pump, carburetor, intake flanges, and baffles. Replaced exhaust hardware. (STD 1410, MS35333-41, AN960-516) Rerigged all engine controls as required. Used existing hardware for all controls, replaced cotter pins in all. (MS24665-132 + 134.) Reinstalled all Scat tubing, replaced hose clamp from intake air filter to airbox on the air filter side. (QS200-44) Installed cowlings and leak checked engine and firewall forward fuel system, found no leaks. Reconnected landing light and found inop. Replaced ring terminal end. (36160) Test ran on ground, no defects found. Oil pressure, temperature, and fuel pressure all within normal range. All work done IAW Piper maintenance manual, SB475C, AD2010-14-10, and SSP-1776. Drained Oil and replaced Oil filter. Inspected Suction screen for debris, none found. Installed new crush washer and safetyed. (AN900-16) Filled with 8 QTS of Phillips 66 Victory Oil Multiweight. Oil Filter AA48110-2. Torqued and safetyed. Sent oil for analysis to Avlab. No anomalies found. records placed in permanent records. Inspected oil filter element, no debris found.



Hunter Bennett
HDAerospace

Cert: 4480899 A&P

Sign:

[Signature]

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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Date: 09/05/2025 Hours: Tach: 6268.21 Hobbs: 2303.1

Tail#: N82757

Make: Piper Model: PA-28-161 S/N: 28-8116054

Replaced Propeller with new Sensenich 74DM6-58 and new attaching bolts (AN6H-43AS, AN960-616). S/N: A65240 IAW Sensenich Installation instructions for Fixed blade propellers.

Complied with AD 2010-14-10. Disassembled Engine Oil Pan and accessory gearcase and all related components. Removed Crank gear, bolt, and lock plate. Inspected crankshaft counterbore and alignment dowel IAW Lycoming SB475C. Rear face of crank had no defects, ID of Counterbore measured within dimensional limit. threads had no defects. Alignment dowel had no visual defects and measured within dimensional limits. Installed all new Crank gear, bolt, and lock plate. (13S19646, LW-18639, STD2246) Crank bolt installed with Loctite anti-seize on threads, torqued to 125 in-lb, checked for proper seating with feeler gauge. Torqued to 204 in-lb, bent lockwasher tab over.

Cont.



Hunter Bennett
HDAerospace

Cert: 4480899 A&P

Sign:

[Signature]

YEAR 20 DATE	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations Certificate Number of other specific entries.)
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Date: 09/05/2025 Hours: Tach: 6268.21 Hobbs: 2303.1

Tail#: N82757

Make: Piper Model: PA-28-161 S/N: 28-8116054

cont.

Installed with all new gaskets for oil pan (LW-13353), Accessory gearcase (73818), Fuel pump (60096), Magnetos (LW-12681), impulse coupling adapters (62224), Vacuum pump (8313), Intake tubes (71973), Exhaust flanges (RA77611), and carburetor to engine (66224). Installed new oil drain hoses on all 4 cylinder drains. (STD-2180) Installed new Intake boots on all 4 cylinders. (69603) Timed both magnetos to 25 degrees BTC. Reinstalled #1T spark plug with new washer (AN4027-1) Cleaned threads on tachometer drive and reinstalled cable end.



Hunter Bennett
HDAerospace

Cert: 4480899 A&P

Sign:

[Signature]

Cont.

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
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Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date:10/10/2024 N82757 Tach: 6035.58 Engine TT: 3112.26 SMOH: 3112.26

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlng, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 74/80 #3 70/80 #4 70/80. Removed cleaned gapped and rotate all spark plugs. Checked Engine to Mag timing. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlng. All applicable Ads checked and complied with to this date (AD Resource 2024-20).

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an AIRWORTHY condition.

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 3/11/2025 Tach:6230.44 Hobbs: 2210.70

Drained Engine Oil, service engine suction screen, Remove Oil Filter AA48110-2 and Replaced with New Oil filter AA48110-2, serviced engine with seven (7) quarts of Aeroshell 15W50 oil. Cut oil filter and inspect for metal with no defects noted. Removed engine suction screen no defects noted Ran and leak check engine with no defects noted. All work performed IRT Lycoming O-320 Service Manual

Eric P. Judy 2766708 A&P

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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Date: 06/10/2025 Hours: Tach: 6216.42 Hobbs: 2238.7 ACTT: 6216.42

Tail#: N82757

Make: Piper

Model: PA-28-161

S/N: 28-8116054

Preformed 100 Hour Inspection IAW Piper PA-28-161 Service Manual and Minimum Requirements Listed in FAR Part 43 Appendix D. Washed Engine and Lubricated All Required Control Points. Changed Oil and Cleaned Oil Suction Screen, No Defects Noted. Replaced Oil Filter with New Tempest (P/N AA48110-2). Filled with 8qts Phillips 20W-50 Victory. Enrichened Fuel Mixture by Turning Carburetor Mixture Control Adjustment Screw to the Left One Full Turn. Replaced L/H Magneto with Aircraft Magento Service Overhauled Magneto (PN 4371) (SN H-X100152). Timed Both L/H and R/H Magnetos. Installed New Tempest Spark Plugs (P/N UREM40E) (8ea.) Fabricated New Engine Baffle and Installed onto Cyl. No. 4 Attaching to Oil Cooler. Performed Differential Compression Check #1 67/80 #2 68/80 #3 73/80 #4 65/80. All Applicable ADs Have Been Checked and Complied with to This Date. I Certify This Engine Has Been Inspected IAW 100 Hour Inspection and Found to be in an Airworthy Condition.



Travis Myers
HDAerospace

Cert: 5038127 A&P

Sign:

YEAR 20	RECORDING TACH	TODAY'S FLIGHT	TOTAL HOURS	Description of Inspection Tests Performed Engine Log Entry Lycoming O-320-D3G S/N RL-12099-39E Date:2/5/2024 N82757 Tach: 5733.56 Engine TT: 2815.90 SMOH: 2815.90
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Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlng, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 70/80 #3 78/80 #4 75/80. Removed cleaned gapped and rotate all spark plugs. Checked Engine to Mag timing. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlng. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA



Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date:5/28/2024 N82757 Tach: 5830.71Engine TT: 2913.05 SMOH: 2913.05

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlng, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 70/80 #3 78/80 #4 75/80. Removed cleaned gapped and rotate all spark plugs. Checked Engine to Mag timing. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlng. All applicable Ads checked and complied with to this date (AD Resource 2014-11).

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an AIRWORTHY condition.

Eric P. Judy 2766708 A&P IA



Repairs and Alterations
and Certificate Number of
(List specific entries.)

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date:7/24/2024 N82757 Tach: 5929.92Engine TT: 3012.26 SMOH: 3012.26

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlng, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 74/80 #3 70/80 #4 70/80. Removed cleaned gapped and rotate all spark plugs. Checked Engine to Mag timing. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlng. All applicable Ads checked and complied with to this date (AD Resource 2014-14).

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an AIRWORTHY condition.

Eric P. Judy 2766708 A&P IA



Engine Log Entry
Date: 8/25/2024 N82757 PA-28-161 Tach: 5985.58

Removed top cowlng, drained engine oil, remove and re-install new oil filter AA48110-2 and serviced engine oil screen with no defects noted. Serviced engine with 7 seven quarts of Aeroshell 15W50 oil. Re-Install top cowlng ran with no defects noted. All work performed IRT Lycoming O-320 service manual.

Eric P. Judy 2766708 A&P



Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date:8/24/2023 Tach: 5538.01 Engine TT: 2620.35 SMOH: 2620.35

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlng, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 65/80 #2 68/80 #3 65/80 #4 62/80. Removed cleaned gapped and rotate all spark plugs. Checked Engine to Mag timing, Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlng. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 10/24/2023 Tach:5592.42 Hobbs: 1513.8

Drained Engine Oil, service engine suction screen, Remove Oil Filter AA48110-2 and Replaced with New Oil filter AA48110-2, serviced engine with seven (7) quarts of Aeroshell 15W50 oil. Cut oil filter and inspect for metal with no defects noted. Removed engine suction screen no defects noted Ran and leak check engine with no defects noted. All work performed IAW Lycoming O-320 Service Manual

Eric Judy 2766708 A&P

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlng, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 70/80 #3 70/80 #4 78/80. Removed cleaned gapped and rotate all spark plugs. Checked Engine to Mag timing. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlng. Install Engine Pad heater E-Z Heat Model 441. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 1/28/2024 Tach:5707.47 Hobbs: 1657.41

Drained Engine Oil, service engine suction screen, Remove Oil Filter AA48110-2 and Replaced with New Oil filter AA48110-2, serviced engine with seven (7) quarts of Aeroshell 15W50 oil. Cut oil filter and inspect for metal with no defects noted. Removed engine suction screen no defects noted Ran and leak check engine with no defects noted. All work performed IAW Lycoming O-320 Service Manual

Eric P. Judy 2766708 A&P

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 05/14/2023 Tach: 5390.53 Hobbs 1272.3 Engine TT: 2472.87 SMOH: 2472.87

Removed top A/C cowling, drained engine oil and removed oil filter CH48110-2 and replace with new CH48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil, ran engine to check for leaks not defects noted at this time. Re-Install Top Cowling.

Eric P. Judy 2766708 A&P

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date:6/2/2023 Tach: 5438.35 Engine TT: 2520.67 SMOH: 2520.67

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowling, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 70/80 #2 68/80 #3 68/80 #4 68/80. Removed cleaned gapped and rotate all spark plugs. Repaired broken P-lead on RH Mag. Checked Engine to Mag timing. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowling. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 7/3/2023 Tach:5485.07 Hobbs: 1386.6

Drained Engine Oil, service engine suction screen, Remove Oil Filter AA48110-2 and Replaced with New Oil filter AA48110-2, serviced engine with seven (7) quarts of Aeroshell 15W50 oil. Cut oil filter and inspect for metal with no defects noted. Removed engine suction screen no defects noted Ran and leak check engine with no defects noted. All work performed IAW Lycoming O-320 Service Manual

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 8/4/2023 Tach:5506.3 Hobbs: 1412.1

Drained Engine Oil, service engine suction screen, Remove Oil Filter AA48110-2 and Replaced with New Oil filter AA48110-2, serviced engine with seven (7) quarts of Aeroshell 15W50 oil. Cut oil filter and inspect for metal with no defects noted. Removed engine suction screen no defects noted Ran and leak check engine with no defects noted. All work performed IAW Lycoming O-320 Service Manual

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 1/13/2023 Tach: 5240.18 Engine TT: 2322.52 SMOH: 2322.52

Complied with 100 hr inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowl, drained engine oil and removed oil filter CH48110-1 and replace with new CH48110-1 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 75/80 #2 70/80 #3 78/80 #4 78/80. Removed cleaned gapped and rotate all spark plugs, re-installed Carb Heat control cable to control arm on carb heat box using standard aircraft hardware. Installed two (2) O/H Slick 4371 magnetos IAW Lycoming O-320 service manual. Replaced ground wire on alternator. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowling. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 03/02/2023 Tach: 5314.59 Engine TT: 2396.93 SMOH: 2396.93

Drained engine oil, removed oil filter AA48110-2, cut filter and inspected for particles. Installed new AA48110-2 oil filter. Serviced engine with seven (7) quarts AeroShell 15W50 oil. Ground ran aircraft for leak check and power assurance. No defects noted at this time.

J. Weiss, Owner 3785644 PPL

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspection	S
20	TACH	CHART		Engine Log Entry	
				Lycoming O-320-D3G S/N RL-12099-39E	
				Date: 4/13/2023 Tach: 5339.38 Engine TT: 2421.7 SMOH: 2421.7	

Complied with ANNUAL inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowl, drained engine oil and removed oil filter AA48110-2 and replace with new AA48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 70/80 #2 70/80 #3 68/80 #4 70/80. Removed cleaned gapped and rotate all spark plugs, re-installed Carb Heat control cable to control arm on carb heat box using standard aircraft hardware. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowling. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW an ANNUAL inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA

4-22-23 Tach: 5349.42 Hobbs 1222.4
Removed Top Cowl, Removed Rapco Vacuum Pump P/N RAP215CC
+ Replaced w/ OH Rapco Vacuum Pump P/N BAP25CC - OH
S/N 202468 FAA-P-8740-52 Safety Warning given
to A/C owner. Ran Engine No Defects Noted Re-install
top Cowl. — END —
2766708 A&P

YEAR 20	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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SKYMARK AVIATION LLC

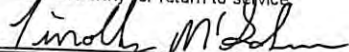
200 Hart Field Rd.
Morgantown, WV 26505

Registration	Manufacturer	Model	Serial Number	Tach Time
N82757	Lycoming	O-320-D3G	RL-12099-39E	5108.79

Drained oil and replaced with 7 qts Aeroshell 15W50. Removed & Inspected oil filter & screen - no defects found. Installed new AA48110-2 Filter. Grd Run Leak Ck performed.

Maintenance Release

The Powerplant listed above has been repaired and/or inspected in accordance with current FAA regulations and have been found airworthy for return to service.

Date: October 05, 2022 Authorized Signature:  AP 3466682


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Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 10/26/2022 Tach: 5147.26 Engine TT: 2229.6 SMOH: 2229.6

Complied with 100 hr inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlings, drained engine oil and removed oil filter CH48110-2 and replace with new CH48110-2 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 68/80 #3 78/80 #4 70/80. Removed cleaned gapped and rotate all spark plugs. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlings. All applicable Ads checked and complied with to this date, see attached report;


- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW a 100 hour inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA 

Engine Log Entry
Lycoming O-320-D3G S/N RL-12099-39E
Date: 12/4/2022 Tach: 5198.43 Engine TT: 2280.77 SMOH: 2280.77

Drained Engine Oil, service engine suction screen, Remove Oil Filter AA48110-2 and Replaced with New Oil filter AA48110-2, serviced engine with seven (7) quarts of Aeroshell 15W50 oil. Cut oil filter and inspect for metal with no defects noted. Ran and leak check engine with no defects noted.

Eric P. Judy 2766708 A&P IA 

ENGINE LOG ENTRY**Lycoming O-320-D3G Serial No. RL-12099-39E****Date: 06-08-2022 TACH: 4904.60 Hobbs: 657.2 Engine TT: 1986.94 SMOH: 1986.94**

Drained engine oil removed filter P/N AA48110-2. Cut filter and inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50 IAW Piper PA-28-161 Service Manual Ground ran aircraft for leak check and power assurance. No defects noted at this time.



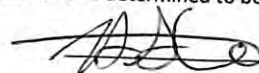
James Caudle AP 3597345 IA

ENGINE LOG ENTRY**Lycoming O-320-D3G Serial No. RL-12099-39E****Date 07/09/22 TACH: 4951.08 Engine TT: 2033.42 SMOH: 2033.42**

Complied with 100-Hour Inspection IAW Piper PA-28-161 AMM Section 3-3, Table III-I and the scope and detail of 14 CFR FAR 43 Appendix D. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 77/80 #2 76/80 #3 78/80 #4 74/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming O-320-D3G Service Manual. Ground run for leak check and power assurance. No defects noted at this time. All applicable ADs checked and complied with to this date; see attached report.

- AD 2009-26-12 (Effective Date: 2/4/2010): Not applicable due to cylinder manufacturer.
- AD 2004-10-14C Effective Date: 6/25/2004): Not applicable due to engine model number.
- AD 98-02-08 (Effective Date: 3/30/1998): Not applicable due to engine model number.
- AD 63-23-02 (Effective Date: 8/6/1968): Previously complied with, see engine log dated 12/11/2006.

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



James Caudle A&P 3597345 IA

ns
if
s.)

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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ENGINE LOG ENTRY**Lycoming O-320-D3G Serial No. RL-12099-39E****Date: 07-27-2022 TACH: 5003.14 Hobbs: 786.3 Engine TT: 2085.48 SMOH: 2085.48**

Drained engine oil removed filter P/N AA48110-2. Cut filter and inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50 IAW Piper PA-28-161 AMM Ground ran aircraft for leak check and power assurance. No defects noted at this time.

Engine Log Entry



James Caudle AP 3597345 IA

Lycoming O-320-D3G S/N RL-12099-39E

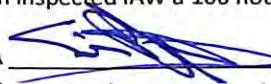
Date: 8/29/2022 Tach: 5050.07 Engine TT: 2132.41 SMOH: 2132.41

Complied with 100 hr inspection IAW PA-28-161 AMM Section 3-3, Table 3-1 and the scope and detail of FAR Part 43 Appendix D. Removed A/C cowlings, drained engine oil and removed oil filter CH48110-1 and replace with new CH48110-1 oil filter, cut removed filter and inspected with no defects noted. Remove clean and inspect and re-install engine oil suction screen with no defects noted. Serviced engine with seven (7) Quarts of Aeroshell 15W50 oil. Performed differential compression check #1 78/80 #2 74/80 #3 78/80 #4 73/80. Removed cleaned gapped and rotate all spark plugs, re-installed Carb Heat control cable to control arm on carb heat box using standard aircraft hardware. Washed aircraft engine, ground ran with no defects noted at this time, lubed all controls and re-install engine cowlings. All applicable Ads checked and complied with to this date, see attached report;

- AD 2009-26-12 N/A due to cylinder manufacturer
- AD 2004-10-14C NA due to Engine model Number
- AD 98-02-08 NA due to engine model number
- AD 63-23-02 PCW see engine log entry dated 12/11/2006

I certify this engine has been inspected IAW a 100 hour inspection and was found to be in an airworthy condition.

Eric P. Judy 2766708 A&P IA




ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 09-08-21 TACH: 4815.35 Hobbs: 537.6 Engine TT: 1897.69 SMOH: 1897.69

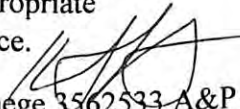
Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.


B. Kennedy 3785645 CPL**Engine Log Entry**

Lycoming O-320-D3G S/N: RL-12099-39E

Date: 9/17/2021 Tach: 4815.37 TTE: 1897.71 SMOH: 1897.71

Removed and replaced cylinder #2 primer line with new P/N 63838-000 and cylinder #4 primer line with new P/N 63837-000. Operational and leak check ok. All work accomplished IAW appropriate maintenance manuals and approved FAA data. I approve this engine for return to service.


Kristof Czinege 3562533 A&P**SKYMARK AVIATION LLC**200 Hart Field Rd.
Morgantown, WV 26505


Registration	Manufacturer	Model	Serial Number	Tach Time
N82757	Lycoming	O-320-D3G	RL-12099-39E	4857.48

TT 1940

C/W 100 hr Inspection- Compressions all over 80psi- 1- 77, 2-77, 3-77, 4- 78. Drained oil and replaced with 7 qts Aeroshell 15W50. Removed & Inspected oil filter & screen- no defects found. Installed new CH48110-1 Filter, resealed screen. Installed all new REM38E spark plugs. Adjusted magneto timing. Grd Run Leak Ck performed.

Maintenance Release

The Powerplant listed above has been repaired and/or inspected in accordance with current FAA regulations and have been found airworthy for return to service.

Date: February 22, 2022 Authorized Signature:  AP 3466682**ENGINE LOG ENTRY**

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 05/07/22 TACH: 4876.86 Engine TT: 1959.2 SMOH: 1959.2

395.64 Hrs since last inspection. Complied with 100hr/Annual Inspection IAW Piper Cherokee Warrior SM checklist and the scope and detail of 14 CFR FAR 43 Appendix D. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 76/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. Removed, repair ends, and reinstalled/routed primer lines on cylinder #1 and #2. All work done IAW Lycoming O-320-D3G Service Manual. Ground run for leak check and power assurance. No defects noted at this time. All applicable ADs checked and complied with to this date; see attached report.

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.


James Caudle A&P 3597345 IA

LYCOMING

A Textron Company

ENGINE LOG

SSP-1872-1

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 06-05-21 TACH: 4713.95 Hobbs: 412.9 Engine TT: 1796.29 SMOH: 1796.29

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 7qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



B. Kennedy Owner/CPL 5785645

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 07/02/2021 TACH: 4759.96 Engine TT: 1842.30 SMOH: 1842.30

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 76/80 #3 74/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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



T. Goldsmith 2622999 A&P

Service Bulletins, Letters.

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 04-22-21 TACH: 4515.59 Hobbs: 293.1 Engine TT: 1697.93 SMOH: 1697.93

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.


T. Goldsmith 2622999 A&P


ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 05/13/21 TACH: 4665.87 Engine TT: 1748.21 SMOH: 1748.21

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 74/80 #3 76/80 #4 74/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

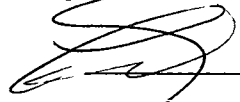

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 02/19/21 TACH: 4481.22 Engine TT: 1563.56 SMOH: 1563.56

92.11hrs since last inspection. C/W 100hr/annual Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 70/80 #2 72/80 #3 76/80 #4 74/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time. . All applicable ADs checked and complied with to this date.

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.


T. Goldsmith 2622999 A&P

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			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 03-22-21 TACH: 4534.29 Hobbs: 191.7 Engine TT: 1616.63 SMOH: 1616.63

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.


T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 04/04/21 TACH: 4294.37 Engine TT: 1651.55 SMOH: 1651.55

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 76/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

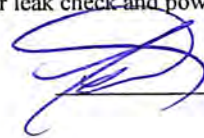

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 10-28-20 TACH: 4347.63 Hobbs: 5636.2 Engine TT: 1430.29 SMOH: 1430.29

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

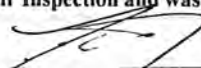
ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 11/19/20 TACH: 4389.11 Engine TT: 1471.45 SMOH: 1471.45

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 74/80 #2 74/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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



T. Goldsmith 2622999 A&P

License
Number**ENGINE LOG ENTRY**

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 01/08/20 TACH: 4436.15 Engine TT: 1518.49 SMOH: 1518.15

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

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Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 08/03/20 TACH: 4192.49 Engine TT: 1274.83 SMOH: 4192.49

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 78/80 #3 76/80 #4 74/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 09-02-20 TACH: 4252.08 Hobbs: 5025.6 Engine TT: 1334.42 SMOH: 1334.42

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.

Bret A. Kennedy 3785645 CPL

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 09/25/20 TACH: 4294.37 Engine TT: 1373.71 SMOH: 1373.71

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 74/80 #2 78/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

[illegible]

ENGINE LOG ENTRY

Date 06-16-2020 **Lycoming 0-320-D3G** **Serial No. RL-12099-39E**
TACH: 4078.42 **Hobbs: 4812.0** **Engine TT: 1160.76** **SMOH: 1160.76**

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



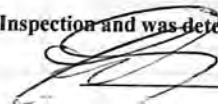
B. Kennedy CPL 3785645/ Owner

ENGINE LOG ENTRY

Date 06/22/20 **Lycoming 0-320-D3G** **Serial No. RL-12099-39E**
TACH: 4097.14 **Engine TT: 1179.48** **SMOH: 1179.48**

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 76/80 #3 74/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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



T. Goldsmith 2622999 A&P

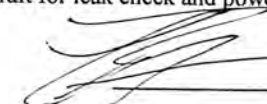
ENGINE LOG

Serial No. _____

ENGINE LOG ENTRY

Date 07-09-20 **Lycoming 0-320-D3G** **Serial No. RL-12099-39E**
TACH: 4146.26 **Hobbs: 4897.3** **Engine TT: 1228.60** **SMOH: 1228.60**

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

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All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 01/11/20 TACH: 3939.76 Engine TT: 1022.10 SMOH: 1022.10

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amber**

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 78/80 #2 76/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
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			Total to Date		

Serial No.

SKYMARK AVIATION LLC

200 Hart Field Rd.
Morgantown, WV 26505

Registration	Manufacturer	Model	Serial Number	Tach Time
N82757	Lycoming	O-320-D3G	RL-12099-39E	3998.3

TT 1081

C/W Annual Inspection- Compressions all over 80psi- 1- 76, 2-75, 3-75, 4- 76. Drained oil and replaced with 7 qts Aeroshell 15W50. Removed & Inspected oil filter & screen- no defects found. Installed new Tempest 48110 Filter, resealed screen. Cleaned & rotated all spark plugs. Adjusted magneto timing. Repaired #2 & #4 fuel primer lines. Grd Run Leak Ck performed.

Maintenance Release

The Powerplant listed above has been repaired and/or inspected in accordance with current FAA regulations and have been found airworthy for return to service.

Date: May 06, 2020 Authorized Signature:

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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			Total to Date	

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 09/07/19 TACH: 3842.72 Engine TT: 925.06 SMOH: 925.06

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 74/80 #2 74/80 #3 72/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. Installed new rocker cover gaskets on #2 and #4 cylinders. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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			Total to Date	

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 10/16/19 TACH: 3890.01 Engine TT: 972.35 SMOH: 972.35

— Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.

T. Goldsmith 2622999 A&P

[illegible]

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 04/01/19 TACH: 3650.46 Engine TT: 732.80 SMOH: 732.80

I certify that this engine has been inspected in accordance with an ANNUAL Inspection and was determined to be in an airworthy condition.



T. Goldsmith 2622999 A&P IA

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 05/17/19 TACH: 3699.74 Hobbs: 4333.1 Engine TT: 782.08 SMOH: 782.08

ircraft for leak check and power as

T. Goldsmith 2622999 A&P

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mber

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 07/18/19 TACH: 3744.68 Engine TT: 827.02 SMOH: 827.02

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

0hr Inspection and was defected

T. Goldsmith 2622999 A&P

[illegible]

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

RE Date 01/23/19 TACH: 3570.67 Engine TT: 653.01 SMOH: 653.01

Date

Time

Hrs

Min

✓ w 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 74/80 #2 74/80 #3 72/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. Installed new rocker cover gaskets on #2 and #4 cylinders. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

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Total to Date

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 02/27/19 TACH: 3604.68

Removed engine driven fuel pump P/N LW15472 and installed overhauled fuel pump P/N LW15472 S/N 04IL16 IAW Lycoming O-320 service manual. Ops check good

T. Goldsmith 2622999 A&P IA

Page Total

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Total to Date

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 74/80 #2 74/80 #3 74/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 74/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. Installed new rocker cover gaskets on #2 and #4 cylinders. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 05-07-18 TACH: 3181.01 Engine TT: 263.35 SMOH: 263.35

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 06/15/18 TACH: 3276.18 Engine TT: 358.52 SMOH: 358.52

C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 74/80 #2 74/80 #3 76/80 #4 78/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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

T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 07-19-18 TACH: 3321.19 Hobbs: 3839.5 Engine TT: 403.53 SMOH: 403.53

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.

T. Goldsmith 2622999 A&P

[illegible]

ENGINE LOG

Serial No

ENGINE LOG ENTRY

License
Number

Date 02-22-18 Lycoming 0-320-D3G Serial No. RL-12099-39E
TACH: 3164.11 Hobbs: 3632.3 Engine TT: 246.45 SMOH: 246.45

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

Page Total

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Total to Date

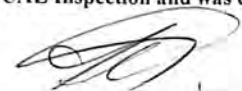
All Repair Data Must Bear the Endorsement of a
Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 03-15-18 TACH: 3179.01 Engine TT: 261.35 SMOH: 261.35

61.53 hrs. since last inspection. C/W Annual Inspection checklist. Washed engine and lubricated all controls. Ground ran aircraft for leak check and power assurance. Performed compression check #1 78/80 #2 76/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

I certify that this engine has been inspected in accordance with an ANNUAL Inspection and was determined to be in an airworthy condition.



T. Goldsmith 2622999 A&P IA

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E
Date 03/15/18 TACH: 3179.01 Engine TT: 261.35 SMOH: 261.35

Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 06-22-17 TACH: 2967.76 Hobbs: 3378.4 Engine TT: 50.1 SMOH: 50.1

Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 09-14-17 TACH: 3018.23 Engine TT: 100.57 SMOH: 100.57

96.4 hrs. since last inspection. C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 76/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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




T. Goldsmith 2622999 A&P

ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 10-21-17 TACH: 3065.65 Hobbs: 3504.9 Engine TT: 147.99 SMOH: 147.99

Drained engine oil removed filter P/N AA48110-2. Cut filter inspected for particles. Installed new filter P/N AA48110-2. Serviced engine with 8qt Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. No defects noted at this time.



T. Goldsmith 2622999 A&P

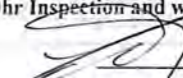
ENGINE LOG ENTRY

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 12-12-17 TACH: 3117.48 Engine TT: 199.82 SMOH: 199.82

99.25 hrs. since last inspection. C/W 100hr Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 76/80 #2 74/80 #3 76/80 #4 76/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

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



T. Goldsmith 2622999 A&P

Serial No.

LYCOMING 0-320-D3G SN# RL-12099-39E ETT: 4.12

Performed Annual inspection per FAR 43 appendix D. Drained Oil and removed oil filter. Cut open and inspected for contaminants with none noted. Installed new filter CH48110-1 and serviced aeroshell 15W50. Cleaned and rotated spark plugs. Checked ign timing. compressions #1 75/80 #2 75/80 #3 75/80 #4 76/80. Lubricated engine controls and adjusted mixture control. No Ads due. Ground run for leaks and power assurance with no defects noted.

I certify this Engine has been inspected in accordance with an annual inspection and is determined to be in an airworthy condition

M.Nichols A/P 3066589 IA

Lycoming 0-320-D3G Serial No. RL-12099-39E

Date 03-21-17 TACH: 2921.78 Engine TT: 4.12 SMOH: 4.12

hrs. since last inspection. C/W Annual Inspection checklist. Washed engine and lubricated all controls. Drained engine oil removed filter P/N CH48110-1. Cut filter inspected for particles. Installed new filter P/N CH48110-1. Serviced engine with Aero Shell 15W-50. Ground ran aircraft for leak check and power assurance. Performed compression check #1 78/80 #2 74/80 #3 76/80 #4 78/80. Removed, cleaned, gapped and rotated spark plugs. All work done IAW Lycoming service manual. Ground run for leak check and power assurance. No defects noted at this time.

- AD 12-19-01 eff date 10/24/12 Found to be NA by Model Number
- AD 15-02-07 eff date 03/11/15 Found to be NA by Serial Number

I certify that this engine has been inspected in accordance with an ANNUAL Inspection and was determined to be in an airworthy condition.

T. Goldsmith 2622999 A&P LA

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2008 Aug 1	2	15	ITAF Eng & Tachmo.		
	2	18	SFRM Drained oil. Removed oil filter cap open. CK'd OK.		
			Installed new CH48110-1 oil filter. Serviced Eng with Pennshell 100 mineral oil (7 qts) CK'd Compression 1) 75/80 2) 75/80 3) 77/80 4) 77/80		
			Reassembled oil filter tube. adjusted carb linkage. Ground run ops OK good no leaks or defects noted.		
			I certify that this Engine has been inspected in a		
			thorough and was determined to be in satisfactory condition.		
			Alfred J. Cepparone ATP 3124213		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2009 Aug 19	2	21	ITAF & Tachmo Did not drain oil or removed oil filter		
	3	35	SFRM at this time. Removed cooling run up engine		
			no defects noted. CK Compression 1) 73/80 2) 76/80		
			3) 75/80 4) 73/80. CK spark plugs reinstalled. Tongue to M. R. spec.		
			Reassembled engine.		
			I certify that this Engine has been inspected in		
			accordance with Jan 80 Ins. Insp. and was determined to		
			be in satisfactory condition. AD 08-19-05-EPT 10-20-05 ECI Titin		
			Cyl. N/A. Lye. Cylinders installed. Done 2/3 June ATP 2001341		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2007					
Jan 26	29	17.66	Tech Installed Spec 0322-236 S/W PL-12095-39E.01		
	00	00	SPERM. Ad 28.161 D8257 Drain Engine of Reservoir oil.		
			removed all spark plugs, turned engine 3 to 4 times to prime		
			Cylinders of oil. Run Engine in Priming system, new Ford		
			Mounts P/W 19613-408 & 19613-532 as per Repair Manual.		
			Installed new Oil Cooler Hose P/W 1117417-8D-220		
			& 156 F001-8D-956, Installed new Fuel P/W 111F417-		
			650105, (1) 111F417-380074 (1) & 111F417-650182 (1). Serviced		
			engine with Spt's Perichell Min 100. Oil Filter CH481K-1. Cleaned		
			Spark Plugs of Reservoir oil. reinstalled 408 to 111F 100		
			Page Total		
			Brought Forward		
			Total to Date		
			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2007					
Jan 26	29	17.66	Tech installed carb. system, new gaskets (provided) Packed up mixture		
	00	00	SPERM. & throttle controls. Installed primer lines. CK. Mags & cleaning		
			Installed all other engine connections, Dike Harker, alternator, carburetor.		
			Ground run engine for 10 min. CK'd valve, mags, mixture & fuel		
			throttle ops CK, work. No leaks or defects noted. ADF SB Ch 6 by		
			Hyecomm. See this list in the A0 section back of the book.		
			I cert. that this engine has been inspected and		
			a 100 hr. inspection and was determined to be in worthy condition.		
			126-07 00.00 T.E.U. P.W. 111F417-		
			2912.66 Tech. P.W. 111F417-		
			Page Total		
			Brought Forward		
			Total to Date		
			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		

LYCOMING

A Textron Company

652 Oliver Street
Williamsport, PA. 17701 U.S.A.

Form No. 2481 (3/04-LM)

This engine has been rebuilt in accordance with the applicable Lycoming specifications. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are new or newly rebuilt. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: **O-320-D3G**
Serial #: **RL-12099-39E**Total Time: **0.0**Work Order #: **MT288696**Date Completed: **12/11/06**

Authorized Signature

Lycoming Engines652 Oliver Street
Williamsport, PA. 17701
Production Certificate # 3**ENGINE DESCRIPTION**

Mfgr.	LYCOMING	Place	Williamsport, PA 17701	Date	
Type		Model		Serial No.	
Rated H.P.		Max. H.P.		Weight (Dry)	
Rated R.P.M.		Max. R.P.M.		Oil Pressure	
Bore		Stroke		Displacement	Cu. In.
Compression Ratio		Supercharger Ratio			
Re					
Pro					Hub Serial No.
Bl					Blade Serial No.
Ma					le H.P.
Pit					Length
Na					
Ad					

LYCOMING
A Textron Company
652 Oliver Street
Williamsport, PA 17701 U.S.A.

ENGINE SERIAL NUMBER

R	L	-	1	2	0	9	9	-	3	9	E
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IN SERVICE DATE

0	1	2	6	0	7
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 ENG. T.T.

0	0	0	0
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DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

LYCOMING

A Textron Company

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING

MAKE

0-320-D36

MODEL

RL-12049-39E

SERIAL

FROM

20

TO

20

DETAILING TIME FROM

00:00

TO

HOURS

HOURS

SSP-1872-1

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October 1994