



The Standard

ENGINE LOG

ASA-SE-1

ENGINE ENTRY 2/1/2025 N5746U Lycoming O-320-E2A SN: L- Tach: 1798.6 TSMOH: 514.7

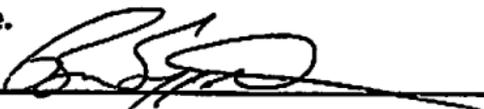
Performed annual inspection/service IAW FAR 43 Appendix D, scope and detail and referenced the manufacturers maintenance manual. Drained oil and removed oil filter and inspected, no defects found. Installed new AA48103 filter. Serviced w/ Phillips 20W-50. Spark plugs removed, cleaned, inspected and reinstalled. Checked magneto timing found ok. Engine compressions: #1-74 #2-75 #3-73 #4-75 all over 80 PSI.

AD98-02-08, inspection of the crankshaft for corrosion due April 2026 or at engine overhaul or disassembly.

AD24-21-02 not applicable, affected parts not installed.

Performed post inspection ground run. All systems normal at this time. I certify that this Engine and Propeller, M74D SN: A43762 has been inspected IAW an 100hr inspection and was determined to in be in an AIRWORTHY condition at this time.

Branson Stafford



AP38590901A

ian or Repair

DATE 19__	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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wo: WO_12607

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D2 Government Solutions/Mx · 824 Aviation Drive · New Bern, NC 28562 · 2526369918

N5746U

TACH: 1705.41

January 25, 2024

1. Performed Compression check with following results: #1 79; #2 73; #3 78; and #4 77.
2. Boroscoped cylinders, no discrepancies found.
3. Cut open oil filter, no metal noted. Installed new Tempest oil filter PN:AA48103-2. Leak check good.
4. Removed, inspected and reinstalled spark plugs.

With respect to the work performed this engine is approved for service.

Jeffrey Ebron IA 3846450

Jeffrey Ebron

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Date: 07/24/2024 Hours: Tach 1766.39

Tail#: N5746U

Make: Piper

Model: PA-28-140

S/N: 28-26567

Removed Carburetor SN: CK11480 and installed Overhauled Carburetor MA-4SPA
PN: 10-3678-32 SN: MS1CH708. Adjusted idle mixture and idle speed IAW PA-28
service manual 753-586, Section 8.

Branson Stafford

Branson Stafford

AP3859090

DATE 19__	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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N 5746U Tach 1540.6 AFTT: 3837.64 Date: 9-1-2021

Engine:

Performed Annual/100hr inspection IAW FAR 43 appendix D and Manufacturers Maintenance Manual, compression check as follows: #1 76, #2 76, #3 76 #4 77. Removed oil filter and cut open, no faults noted. Filled with 6.5 qts of Victory 20w-50 and new filter AA 48110-3. Checked engine timing, no faults noted. Removed fuel strainer and cleaned. Removed spark plugs, cleaned gapped and tested plugs then reinserted with new gaskets. Removed spinner and checked prop bolts and safety wire, no faults noted. Dressed leading edge of prop. This Engine and prop have been inspected for a 100hr inspection and have been found to be in airworthy condition at this time. They are approved for return to service.

Richard Buice A&P/IA 3088506 

DATE 19__	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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11-8-2022 TACH: 1606.6, ESTTT: 3903.7, SMOH: 322.7
 ANNUAL INSPECTION PER APPROVED CHECKLIST. COMP CHECK OK,
 #1-78/80, #2-77/80, #3-80/80, #4-78/80. CHANGED OIL AND FILTER,
 SERVICED WITH 7qts PHILLIPS XC20W-50. CLEANED, GAPPED
 AND ROTATED SPARK PLUGS. CHECKED TIMING. INSTALLED
 ALL NEW ROCKER COVER GASKETS. TIGHTENED ALL INTAKE
 NOSE CLAMPS. ENGINE WAS TEST RUN AND LEAK CHECKED
 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN
 ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS
 DETERMINED TO BE IN A AIRWORTHY CONDITION.

Dave Kapica AP3313849 IA

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N 5746U Tach 1450.1 AFTT: 3747.14 Date: 4-28-2021

Engine:
 Performed Annual/100hr inspection IAW FAR 43 appendix D and Manufacturers Maintenance Manual, compression check as follows: #1 76, #2 75, #3 75, #4 77. Removed oil filter and cut open, no faults noted. Filled with 6.5 qts of Victory 20w-50 and new filter AA 48110-3. Checked engine timing, no faults noted. Removed fuel strainer and cleaned. Removed spark plugs and replaced lower plugs with new Tempest Urem 40e. Gapped and tested top plugs then reinserted with new gaskets. Removed spinner and checked prop bolts and safety wire, no faults noted. Dressed leading edge of prop. This Engine and prop have been inspected for an Annual inspection and have been found to be in airworthy condition at this time. They are approved for return to service.

Richard Buice A&P/IA 3088506 

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N 5746U Tach 1501.2 AFTT 3798.24 Date: 7-16-2021

Engine:
 Drained oil and filled with 6.5 qts of Victory 20w-50. Cut open filter for check for contaminants, no faults noted. Removed, cleaned bottom spark plugs and reinstalled. Removed and replaced #2 intake gasket with new. This aircraft is approved for return to service.

Richard Buice A&P/IA 3088506 

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			2/23/14	TR 1442.53 ENGINE AND PROPELLER INSPECTED FOR ANNUAL USING STANDARD CHECK LIST. ENGINE AND PROPELLER IS AIR WORTHY, John Walter Clark CIP 21940621A
			6/6/15	TR 1443.98 ENGINE AND PROPELLER INSPECTED FOR ANNUAL USING STANDARD CHECK LIST, ENGINE IS AIR WORTHY, John Walter Clark CIP 21940621A

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			12/21/17	TR 1445.87 ENGINE AND PROPELLER INSPECTED FOR ANNUAL USING STANDARD CHECK LIST ENGINE AND PROPELLER IS AIR WORTHY,

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				10/9/09 TR 1391.13 engine and propeller inspected for annual service standard check with engine and propeller is airworthy. John W. Little JR
				10/17/10 TR 1403.82 engine and propeller inspected for annual service standard. check with engine and propeller is airworthy John W. Little JR TR 21910621A

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				11/2/11 TR 1417.89 engine and propeller inspected for annual service standard. check with engine and propeller is airworthy. John W. Little JR TR 21940621A
				12/19/12 TR 1429.75 engine and propeller inspected for annual service standard. check with engine and propeller is airworthy. John W. Little JR TR 21940621A

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11/20/04	TR	1296.17		Engine and propeller inspected for Annual using standard check list. Engine and propeller is airworthy. John Walter Pyle AIP 21940621A
11/19/05	TR	1310.53		Engine and propeller inspected for Annual using standard check list & oil and filter changed. Engine and propeller is airworthy. John Walter Pyle AIP 21940621A

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3/20/07	TR	1343.95		Engine and propeller inspected for Annual using standard check list. Engine and propeller is airworthy. John Walter Pyle AIP 21940621A
9/19/02	TR	1372.03		Engine and propeller inspected for Annual using standard check list. Engine and propeller is airworthy. John Walter Pyle AIP 21940621A

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12/23/02	TR		1283.98	<p>ENGINE MAJOR</p> <p>Engine major overhaul fresh overhauled and certified. P/O Crankshaft & rods certified. Piston and rings, installed fresh overhauled and certified. Chrome Cylinder assembly. Case, bearings, piston oil pump gears rock overhauled and certified. Installed all new oil pump, bearings and belts c/w 96-09-10.</p> <p>John Walter Hule 1940621K</p>

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12/23/02	TR		1243.98	<p>ENGINE REINSTALLED WITH ALL NEW RUBBER MOUNTS AND BOLTS, AIR BELT FUEL SYSTEM AND FRESH OVERHAULED OIL COOLER WITH NEW HOSE, INSTALLED NEW BURNERS AND PLUGS. C/W 95-26-13 96-12-07 96-07-17 R. Major ground run in and checked amp's activity.</p> <p>John Walter Hule 1940621K</p>

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				11/1/97 TR 1238.71 T.J. OK Engine inspected for Annual. Replaced spark plug, kept mag with fresh factor overhauled. to C/W AD 96-20 Engine ground run and checked. Engine and propeller is antitwist John Walter Ph AIP 21940621A
				11/1/97 TR 1234.71 Oil filter changed John Walter Ph AIP 21940621A

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				11/14/94 TR 1248.45 Engine and propeller inspected for Annual C/W 96-26-02 by new filter Engine and propeller is antitwist John Walter Ph AIP 21940621A
				5/5/00 TR 1266.1 Engine and propeller inspected for Annual C/W 96-26-02 by new filter Engine and propeller is antitwist John Walter Ph AIP 21940621A

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				5/5/95 Log book to this engine has been lost. Total time estimated to be 3,500 hours. Tach Time 1,202.96 Time on major estimated to be 1,500 hours.
				Engine inspected for Annual. Oil and filter changed. Moment 8.6 # 0.5578C C/W air filter replaced. Engine ground run and checked. Engine is airworthy. John Walter Park RSP 2194062A

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				5/5/95 TR 1202.96 All fuel and oil hose replaced first fuel found. John Walter Park RSP 2194062A
				8/1/96 TR 1227.1 T.T. UK Engine inspected for Annual. Engine sufficiently tested. All gliders checked above 65. Engine ground run and checked. Engine is airworthy. John Walter Park RSP 2194062A

Engine Record General Information

Manufacturer LYCOMING Model O320-E2A

Serial L227113-27A Type Certificate _____

This engine is currently installed in aircraft N5746D

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

POPELCEZ
SERBENICH

MOOREC 74 DM 6-058
S# A43762