

Engine Record General Information

Manufacturer Lycoming Model 0-320 Series

Serial _____ Type Certificate _____

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

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.)
------------------------	---------------------------	-------------------	-----------------------------	---

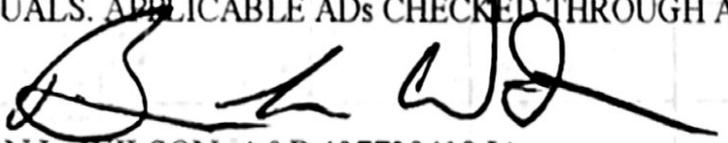
CHANDLER AIR SERVICE
 1675 E. RYAN RD.
 CHANDLER, AZ 85286

N7152D MODEL: PA-22-150 SN: 22-5016 TACH: 600.3 AFTT: 2434.5
 LYCOMING MODEL: 0-320 SN: L-6282-27 TSMOH: 568.8 ETT: 2434.5
 SENSENICH MODEL: 74DM5674 SN: 17758 PTSO: 73.6

AD 2017-16-11, Lycoming Connecting Rods/Bushings, NA to Engine Serial Number/Repair Date, 9/27/2015, Per MSB 632B, Tables 1 & 2. No Subject Lycoming Parts Installed Thereafter

COMPRESSION CHECK 1-78/80 2-78/80 3-78/80 4-78/80
 OIL CHANGED, FILTER INSPECTED 14 HOURS PREVIOUS, NOT DONE AT THIS TIME
 NEW GASKET, SL72059, INSTALLED OIL FILLER TUBE
 NEW GASKETS, SL77611, INSTALLED ALL CYLINDER EXHAUST PORTS
 NEW GASKETS, SL71973, INSTALLED #3 & 4 CYLINDER INTAKE PORTS
 SPARK PLUGS REMOVED, CLEANED, GAPPED, TESTED, AND INSTALLED WITH NEW GASKETS, MS17840-1

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS DETERMINED TO BE IN AN AIRWORTHY CONDITION. MAINTENANCE COMPLETED IN ACCORDANCE WITH PIPER, LYCOMING, OTHER APPLICABLE MAINTENANCE MANUALS. APPLICABLE ADs CHECKED THROUGH ATP REVISION 9/6/2017



BRIAN L. WILSON, A&P 497728418 IA

9/6/2017

SHOP ORDER 17-4486

CHANDLER AIR SERVICE

1675 E. RYAN RD.

CHANDLER, AZ 85286

N7152D	MODEL: PA-22-150	SN: 22-5016	TACH: 673.1	AFTT: 2507.3
LYCOMING	MODEL: 0-320	SN: L-6282-27	TSMOH: 641.6	ETT: 2507.3

COMPRESSION CHECK 1-78/80 2-78/80 3-78/80 4-78/80

OIL DRAINED, FILTER & OIL SUMP SCREEN REMOVED AND INSPECTED. ENGINE REMOVED FOR AD 2004-10-14 C COMPLIANCE. ENGINE ACCESSORIES, SUMP & ACCESSORY CASE REMOVED AS REQUIRED TO ACCESS CRANKSHAFT GEAR.

AD 2004-10-14 C, PROP STRIKE FAILURE, COMPLIED WITH PER PARAs (f) & (g) & LYCOMING MSB 475C, STEPS 1-7. NEW CRANKSHAFT BOLT, SL-STD2213, & LOCKPLATE, LW18639, INSTALLED. BOLT TORQUED TO 204 IN/LBS, LOCKPLATE BENT AGAINST BOLT HEAD.

NEW PINS, STD68, BOLTS, STD1433, NUTS, STD1409, & GASKET, 60820, INSTALLED OIL INTAKE TUBE ASSEMBLY. NEW LOCKPLATES, SL72078, INSTALLED CAM GEAR. ENGINE ACCESSORIES, SUMP & ACCESSORY CASE INSTALLED WITH NEW HARDWARE & GASKETS AS REQUIRED.

NEW GASKET, SL73818, INSTALLED ON ACCESSORY CASE

NEW GASKET, SL68972, INSTALLED ON OIL SUMP

NEW GASKETS, SL61183 & SL8313, INSTALLED ON VACUUM PUMP ADAPTER

NEW GASKET, SL69551, INSTALLED ON GOVERNOR ADAPTER PLATE

CARBURETOR INSTALLED WITH NEW FLANGE GASKET, SL66224

NEW GASKET, SL72059, INSTALLED ON OIL FILLER TUBE

NEW GASKETS, SL75906, INSTALLED ON #2 & 3 CYLINDER ROCKER COVERS

NEW GASKETS, SL77611, INSTALLED ON ALL CYLINDER EXHAUST PORTS

NEW GASKETS, SL71973, & DUCTS, STD1196, INSTALLED ON ALL CYLINDER INTAKE TUBES

NEW HOSES, MIL-DTL-6000D 3/8, INSTALLED ON ALL CYLINDER OIL RETURN LINES

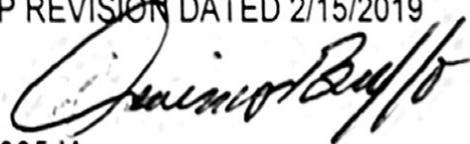
NEW CLAMP, LW18959-150-25, INSTALLED ON #4 CYLINDER PRIMER LINE

ENGINE INSTALLED WITH NEW BOLTS, AN8-44, BUSHINGS, 71032, WASHERS, STD619, & NUTS, AN310-8 (ENGINE TO MOUNT).

NEW FILTER AA48108-2, SUMP SCREEN WITH NEW CRUSH WASHER, AN900-20, INSTALLED. SERVICED WITH 7 QTS PHILLIPS XC 20/50W

SPARK PLUGS REMOVED, CLEANED, GAPPED, TESTED, AND INSTALLED WITH NEW GASKETS, MS17840-1

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A **100 HOUR INSPECTION** AND IS DETERMINED TO BE IN AN AIRWORTHY CONDITION. MAINTENANCE COMPLETED IN ACCORDANCE WITH PA22, LYCOMING, & OTHER APPLICABLE MAINTENANCE MANUALS. APPLICABLE ADs CHECKED THROUGH ATP REVISION DATED 2/15/2019



DOMENICO BUFFO A&P 3491335 IA

2/15/2019

SHOP ORDER 18-4800

YEA
20

Airworthy Aviation, LLC

DATE

N7152D Make: Lycoming Model: O-320 S/N L-6282-27
02-MAR-2023 Tach: 782.9 TSMOH: 752.4

n or

Uncowled engine for inspection. Found minor oil leaks at oil return line clamps and #3 rocker cover. Drained oil and removed filter. Cut filter for inspection – no debris found. Serviced the engine with new filter and 7qts of Phillips XC 25W50. Checked engine compression - #1) 78/80 #2) 74/80 #3) 70/80 #4) 70/80. Repaired carb heat muff by fabricating patch and riveting it on per AC43-13-2B. Tightened oil return line clamps. Tightened alternator belt. Recowled engine and performed ground test run. New intake air filter element BA-4108 installed
New spark plugs REM40E (2ea) installed
New rocker box cover gasket G-8179-HD installed on #3 cylinder.
All ADs checked through bi-weekly 2023-05. See AD compliance worksheet in the aircraft records.

I certify that this Engine has been inspected in accordance with an annual inspection in accordance with FAR Part 43, appendix D, and manufacturers maintenance manuals and found to be in airworthy condition at this time.



Theodore Hawkins 3880925 A&P/IA