

Right Engine
N 8614 Y

AIRCRAFT

TECHNICAL RECORD

Section 3. ENGINE LOG

N 8614 Y

ENGINE DATA

1. Make

Lycoming

2. Model

LTIO-320-B1A

3. Specification

4. Manufacturer's Serial
Number

L-311-166A

5. Date of Manufacture



Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

wo: PGAM_EMP_403



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Phoenix Air Group, Inc - General Aviation Maintenance Division - 171 Highway 61 SE - Cartersville, GA 30120
770-387-2000 ext 134

N8614Y

Lycoming, LIO-320-B1A, S/N: L-311-66A

January 31, 2023

LH Tach: 2935.36

RH Tach: 2937.6

1. Complied with annual engine inspection & all maintenance IAW manufacturers maintenance manual & inspection procedures.
2. Complied With AD 2015-19-07 I/A/W Lycoming MSB 342G. No Defects Noted. AD Due Next at 3035.36 or by February 1, 2024,
3. Compression check @ 80 psi. 1) 72, 2) 68, 3) 70, 4) 72. No defects noted.
4. Changed Oil & Filter. Serviced With 7 Quarts Of Phillips X/C 20W-50 Oil And 1 Pint CamGuard And CH48110-1 Filter. Torqued To @17ftlbs Using Oil Filter Torque Wrench PHO996. Disassembled Filter And Inspected For Contamination. No Defects Noted. Installed P/N CH48110-1 - Oil Filter, Installed P/N MS35769-21 - Crush Gasket Rev/Lot: 30-19105, Installed P/N 08-07097-1 - CamGuard 1 Pint, Installed (8) P/N P-SAE20W-50 - PHILLIPS 66 X/C 20W-50 OIL Rev/Lot: 1045457.
5. C/W Oil Sample Installed P/N Oil Sample - Engine Oil Analysis.
6. Removed, cleaned, inspected, gapped, tested, rotated & reinstalled spark plugs With Torque Wrench #PHO1832 To 420Inlbs I/A/W No defects noted.
7. Removed, cleaned, inspected & reinstalled fuel nozzles With Torque Wrench PH0577 To 60inlbs I/A/W . No defects noted.
8. Replaced Right Engine Brackett Induction Filter (BA-10). Ops Check Good. No Defects Noted. Installed P/N BA-10 - Air Filter.
9. Magneto timing for this engine should be 25.0 degrees BTDC. Found L/H @ 25.0 & R/H @ 25.0 degrees BTDC. No adjustment needed.
10. Washed engine & cowling.
11. Engine ops & leak checked good.
12. Removed Exhaust And Performed Welded Repair I/A/W AC.43.13-1B Chapter 4 Section 5. Ops Check Good. No Defects Noted.

I certify that all inspections, maintenance and/or repairs listed above have been completed in accordance with current Federal Aviation Administration regulations, and is approved for return to service. Details of work performed are on file with Phoenix Air Group, Inc - General Aviation Maintenance Division under work order: PGAM_EMP_403.

Steve Pelfrey A&P / IA 3601725

Steve Pelfrey



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TOTALS

PREVIOUS
TOTALS

TOTALS
SINCE NEW

CARRY FORWARD to Top of Next Page

wo: PGAM_EMP_464

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Phoenix Air Group, Inc - General Aviation Maintenance Division - 171 Highway 61 SE - Cartersville, GA 30120 -
770-387-2000 ext 134

LICENCE:
AME or
AMO/ACA

N8614Y

LH Tach: 2947.9

Lycoming, LIO-320-B1A, S/N: L-311-66A

RH Tach: 2949.9

tach: 2946.38

April 07, 2023

SMOH: 359.48

1. Removed, serviced and reinstalled all R/H engine spark plugs. Installed spark plugs @ 420 In/Lbs. with torque wrench PHO1832.
2. Adjusted idle speed I/A/W Piper Comanche PA-30 service manual section 8. Ops check good. No defects noted.
3. Removed and replaced R/H engine #3 cylinder EGT probe I/A/W Piper PA-30 service manual section 10 and US-8A operating and installation instructions #OI072491 and II072091. Ops check good. No defects noted. Installed P/N P-110R - EGT Probe.
4. Timed both mags on R/H engine to 25.0 degrees and torqued magneto hold down nuts to 175 In/Lbs. using torque wrench PHO577 I/A/W Piper PA-30 service manual section 8. Ops check good. No defects noted.
5. Removed and replaced right engine #2 exhaust riser and torqued nuts to 220 In/Lbs. with torque wrench PHO1832 I/A/W Piper PA-30 service manual section 8. Ops and leak check good. No defects noted. Installed P/N 23850-10 - Left Front Exhaust Stack, Installed (2) P/N 77611 - No Blow Gasket.

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Christopher Swearingen A&P 4434676

wo: PGAM_EMP_474

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Phoenix Air Group, Inc - General Aviation Maintenance Division - 171 Highway 61 SE - Cartersville, GA 30120 -
770-387-2000 ext 134

N8614Y

LH Tach: 2953.2

RH Tach: 2955.3

tach: 2946.38

June 15, 2023

TTSN: 7078.79

Repaired R/H engine tube assembly- drain connector I/A/W AC43.13-1B. Ops and leak check good.

I certify that all inspections, maintenance and/or repairs listed above have been completed in accordance with current Federal Aviation Administration regulations, and is approved for return to service. Details of work performed are on file with Phoenix Air Group, Inc - General Aviation Maintenance Division under work order: PGAM_EMP_474.

Christopher Swearingen A&P 4434676

wo: PGAM_EMP_479

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Phoenix Air Group, Inc - General Aviation Maintenance Division - 171 Highway 61 SE - Cartersville, GA 30120 -
770-387-2000 ext 134

N8614Y

LH Tach: 2955.57

Lycoming, LIO-320-B1A, S/N: L-311-66A

RH Tach: 2957.55

tach: 2946.38

July 07, 2023

SMOH: 359.48

1. Completed R/H engine oil change. Drained oil. Removed oil filter and inspected for contamination. Serviced engine with 7 quarts of Phillips 20W/50-XC, 1 pint of Camguard, and a new AA48110-2 oil filter torqued to 17 ft/lbs. using wrench PHO996. Work done I/A/W PA-30 service manual section 8. Ops and leak check good. Installed (8) P/N P-SAE20W-50 - PHILLIPS 66 X/C 20W-50 oil Rev/Lot: 1045457, installed P/N AA48110-2 - oil filter; installed P/N MS35769-21 - crush gasket Rev/Lot: 30-19105; and installed P/N 08-07097-1 - CamGuard 1 Pint.
2. Performed spectrum oil analysis. Installed P/N Oil Sample - Engine Oil Analysis.

I certify that all inspections, maintenance and/or repairs listed above have been completed in accordance with current Federal Aviation Administration regulations and is approved for return to service. Details of work performed are on file with Phoenix Air Group, Inc - General Aviation Maintenance Division under work order: PGAM_EMP_479.

Christopher Swearingen A&P 4434676

