

ENGINE SERVICE AND

MAINTENANCE RECORD

8

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			313	5	
August 9/8	84	4	397	9	Annual insp completed
July 31/96	51	9	449	8	LH mag s/n 299040 removed & repl with OH unit
April 17/97	47	2	497	0	Engine removed from PA-125 C-FEPV
DEC 7-2003			497		Removed MC CASE & REPLACED OIL PUMP GEARS & BODY WITH LYCOMING SB*524 & AD 96-09-100 APPROVED FOR RETURN TO SERVICE ON TIME (CONTINUED) BASIS.

10/11/21 N66180, Lycoming O-290-D2, S/N 4152-21 TTSMOH 497 Hobbs time 294.9
Following preventive maintenance and maintenance has been performed to this aircraft in accordance with FAR 43 and Lycoming overhaul manual

- Installed E-Mags PN P113 L S/N 955 R S/N 956 With new leads and Spark plugs PN BKR8EIX, Emags were updated to latest configuration and complied with all applicable service bulletins by the factory WO#11415. Installed mags IAW E-Mag manufacturers installation manual Pub LC114.28.
- Removed all 4 cylinders and honed bore, lapped valves, replaced oil wiper rings on Cylinders 1,2, and 4. With AEL69401ST All rings meet Lycoming in service specs. Re-assembled engine IAW Lycoming overhaul manual Pub 60294-7.
- Replaced 4 cylinder oil return tubes PN 60890, 60821 and two 60928.
- Replaced front engine crank shaft seal.
- Installed 20-50W Mineral engine oil and cleaned filter screen.
- Installed Catto propeller Model #2-B#10186607, 78" Dia 42" pitch
- Complied with annual condition inspection.
- Installed engine SN 4152-21 on Kitfox V, N66180 with all pertinent engine baffling and engine monitoring devices.
- Installed spinner with associated back plate.
- Performed leak check idle run and found no leaks at this time, Performed 15 minute at 1500 RPM per Lycoming SI 1427C and performed magneto test, all with in acceptable limits.

I certify that this engine/prop has been inspected on 11/21/21 in accordance with a conditional inspection and the scope and detail of part 43 appendix D, and was found to be in a condition for safe operations.

Mechanic

A&P

12-8-21

Removed engine s/n 4152-21 from N66180 Due to low oil pressure, 46 PSI max at 200°F..
TT 499 as removed

CARRIED FORWARD

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

Date: 9/28/22 N66180, Lycoming O-320, S/N 2785-24 499 TTSMOH -0-TSTOH
The following preventive maintenance has been performed to this aircraft in accordance with FAR 43 and Lycoming overhaul manual Pub 60294-7.

- Disassembled engine, the following repairs were completed
- Crank case repaired by Divco WO 134523, also bored cylinder skirt holes to accept Lycoming O-320 narrow deck cylinders.
- Crankshaft repaired By Airworks ground .008" under on mains and .006" under on rod journals Replaced sludge tubes and crank plug. Work order #
- Replaced Crankshaft bolt PN LW-25-1.63
- Installed oversized bearings on crank shaft. AEL6937M06 (8) , SL68763A M10 (8)
- Replaced Connecting rod bolts 78027 (8) and nuts LW-12186 (8)
- Installed new Superior O-320 cylinders PN SL32006N-A20P.
- Installed oil sump PN 72362
- Installed serviceable Rocker Assy 17F19357 (8) and pushrod assy PN 15F19957-08 (8)
- Installed Carburetor PN 10-5217H SN MS0WF603
- Installed E-Mags PN P113 L S/N 955 R S/N 956 With new leads and Spark plugs PN BKR8EIX, Emags were updated to latest configuration and complied with all applicable service bulletins by the factory WO#11415. Installed mags IAW E-Mag manufacturers installation manual Pub LC114.28.
- Installed Catto propeller Model #2-B#10186607, 78" Dia 42" pitch and spinner IAW Catto install instructions CATTO_CPX-01 R2
- Installed engine SN 2785-24 on Kitfox V , N66180 with all pertinent engine baffling and engine monitoring devices IAW Kitfox assy manual and AC 43.13.
- Performed leak check idle run and found no leaks at this time and performed magneto test, all with in acceptable limits.
- Performed Annual conditional Inspection.

I certify that this engine/prop has been inspected on 10/1/22 in accordance with a conditional inspection and the scope and detail of part 43 appendix D, and was found to be in a condition for safe operations.

This Engine is approved for return to service 10/1/22 [Signature] A&P [Signature]

10/20/22		509	Changed oil and filter -serviced with 8.5 qts Aeroshell General inspection revealed no defects
6/6/23		525	Changed oil and filter -serviced with 8.5 qts Aeroshell
10/15/23		570	changed oil and filter. serviced with 8.5 qts

Date: 9/28/22 N66180, Lycoming O-320, S/N 2785-24 574.5 TTSMOH -0-TSTOH 75.5
The following preventive maintenance has been performed to this aircraft in accordance with FAR 43 and Lycoming overhaul manual Pub 60294-7.

- Resealed forward crank seal to the case per Lycoming MM.
- Retimed mags per Emag manufacturers instructions. Timed at TDC.
- Performed Engine compression check #1 78/80, #2 78/80, #3 78/80, #4 78/80.
- Performed leak check idle run and found no leaks at this time and performed magneto test, all with in acceptable limits.
- Performed Annual conditional Inspection.

I certify that this engine/prop has been inspected on 10/1/22 in accordance with a conditional inspection and the scope and detail of part 43 appendix D, and was found to be in a condition for safe operations.

This Engine is approved for return to service 11/8/23 [Signature] A&P [Signature]

TOTAL SINCE MFG.

MAINTENANCE RECORD

9

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

100 Mineral oil and Tempest AA48110-2 oil filter
or Leaks at this time
100 Mineral oil and Tempest AA48110-2 Filter
Tempest AA 48110-2 filter

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.