

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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Lycoming O-320-B2C S/N L-15919-39A ENG TT 4204.5 TSOH 0000.0 04/28/2018

Engine Disassembled cleaned and inspected for evidence of prior damage.
Cleaning and Mag particle inspection of the crankcase, accessory case, sump, Crankshaft, steel set and connecting rods were performed by Phil's Cylinder Service on Work order No 18021A thru F. Con rods were checked for twist and small ends re-bushed on WO No 18021D. Rocker arms were Mag particle inspected and re-bushed on WO No 18081. (All work done using Lycoming overhaul manual and ASTM E1417-95a as a guide. See WO for ref).
Engine assembled with ref to Lycoming Overhaul Manual 606294-7 current online rev DEC 1974 & SB- 240W & Lycoming SI's
Installed new lockplates, lockwashers P/N MS35333-40, New main and connecting rod bearings P/N's
AEL 13884 & SL 16711A, New rod bearings SL61662A, New crank bolt AEL STD2213,
Installed 4 new 05K21100 Lycoming cylinder kits with all new gaskets and seals, pistons & rings, piston pins and plugs. Installed
new Rod bolts SL78027 & nuts AEL12186, new valve rocker shafts SL13790A & thrust buttons
LW-12892. Installed new oil pressure relief spring 61084. Installed new tappet body 15B26262 with ref to
SI-1011M & reground camshaft LW-11754 (see D&S CAM CORP WO# 15503. Fitted new oil cooler
P/N 8000216. Fitted overhauled alternator ALX-8521 S/N M043015 (see Aerotech of Louisville WO#124755). Fitted new
Ignition harness assy KA12402, Installed and timed magneto's IO-600614-1 S/N J219612E & IO-600644-20 S/N J189626E
(Overhauled by Aircraft magneto services Missoula Montana). Fitted serviceable carburetor MA 4SPA S/N DC 4 6551 and
Overhauled starter BC315-100-2 S/N 0294000222. For Service bulletin and AD compliance see record in front of Logbook.
Engine break in performed with ref to SI-1427C .2. (Rotary wing Horiz installation). 75% cruise MP 20in, Oil 180°F, CHT 370°F
100% MP 24.5in, Oil 180°F, CHT 370°F. Hover MP 22in, Oil 180°F, CHT 370°F.
I certify this engine is found to be in airworthy condition.

Nigel Wishart A+P