

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

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ENGINE DATA

1. Make Continental
2. Model IO-360-G(1)
3. Specification _____
4. Manufacturer's Serial Number 804077
5. Date of Manufacture _____



ACFT REG: 21LS Engine Model: IO360-G(1) JPI Tach: 0
TTE: 2260.7 Engine S/N: 804077 SMOH: 0

Engine Works completed: Overhauled engine to new limits using Continental M-0 manual, Rev 3, Jan 2023, Continental IO-360 Overhaul Manual M-7 Sept 2016. Disassembled engine, replaced cracked case per M90-17 guidance with Phase 2 case set from Crankcase Services, inspected & painted engine case halves & accessory case. Crankshaft, camshaft, lifters, rocker arms, connecting rods, oil pump, crank & cam gears inspected & overhauled as required - see separate spreadsheet. CSB96-13 re: Connecting Rods complied with - no issues found. CSB96-5 re: Oil Pump Gears N/A by S/N. Fuel system and accessory drive overhauled by Western Skyways. New M10 main and rod bearings installed. New oil pump gears, camshaft and crankshaft gear bolts installed. Case halves torqued to spec. New connecting rod bolts & nuts installed and torqued to spec. Factory new cylinders, pistons, rings installed and torqued to spec. CSB07-01A N/A due to installation of factory new cylinders. Valve clearances and ring gaps checked per TCM install instructions and TOL. Installed new UREM38E spark plugs and overhauled S6LSC-25 magnetos S/N D20HA011R and D20HA012R and timed per TCDS - see logbook entry following this entry for details. Installed overhauled McCauley propeller governor. Oil cooler overhauled by Pacific Oil Cooler. New baffling installed per STC SA00728SE. Overhauled generator installed. All gaskets replaced with new. Installed Airwolf remote filter SA00079NY per provided install instructions and AC 43.13 standard practices. All flexible hoses were made new with 303-xx and new fittings 491-xx. Installed JPI-900 for primary engine gauges per Report 908 Rev. M dated 7-10-21 STC SA01435SE. Test ran and leak checked engine with no leaks noted. Performed initial fuel system set up per STC holder Tom Andersons email and direction. Performed first oil and filter change and added 7qts Aeroshell 100mineral oil for break in. verified oil pressure set up and adjusted to more than half up green arc at full temp and cruise power. Fuel set up and oil pressures will need to be readjusted after break in along with magneto timing adjustment after initial wear in. Perform next oil and filter change in 5hrs flight time, then again at 25smoh, and 50smoh. If at 25hrs engine is fully broke in you may change to your preferred oil choice. If not continue with mineral oil until break in is complete. All AD's complied with during OH and all pn's and sn's are referenced on separate build sheet along with tolerances an clearance checks during build.

I certify this engine has been Overhauled/Inspected in accordance with Overhaul manual and the current regulations of the FAA and is airworthy at this time.
Joseph Sloat Date: 12-1-24
AP/IA#3629653

WORK PERFORMED:
(REPLACEMENT)

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

SLOAT AVIATION SERVICES LLC

ACFT REG: 21LS Engine Model: IO360-G(1) JPI Tach: 31.5
TTE: 2292.2 Engine S/N: 804077 SMOH: 31.5
Engine Works completed: Completed Annual/100hr inspection per FAR 43 "D". Oil change performed with Aeroshell 100 mineral and new filter CH48109-1. Compressions - #1- 75, #2-76, #3-76, #4- 76, #5- 78, #6- 77. Number 4 cylinder had some leak by on the cylinders causing pressure in the case. Most likely this is due to sitting or a glazed cylinder. A few hours of flight to confirm if it seals back to prevent more oil overboard through breather. Found oil leak from top cap of prop governor. Marked and removed top cap and nut per Byam Propeller instructions and added Teflon tape to threads of cap. Cleaned fuel bowl and inspected exhaust with no leaks noted. Spot checked 2 injectors- very clean; did not remove others due to lack of dirt and hours. Spark plugs removed/cleaned/inspected and reinstalled with no failures. All AD's complied with as required(see separate AD compliance sheet for details).
I certify this engine has been Overhauled/Inspected in accordance with Overhaul manual and the current regulations of the FAA and is airworthy at this time.
Joseph Sloat Date: 7-10-26
AP/IA#3629653

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PREVIOUS
TOTALS

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