

ERA23LA341

INVESTIGATIVE PHOTOS

INSPECTION & MAINTENANCE RECORD		
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-20	2869	Engine Removed for inspection
7-20	2869	DISASSEMBLED AND INSPECTED FOR METAL CONTAMINATION. REPAIRED SPALLED CAMSHAFT AND HYD RODS. INSTALLED NEW MAIN AND ROD BOLTS, REPLACED OBSOLETE HYD PLUNGERS WITH NEW APL 78290 PLUNGER ASSYS, NEW ROD BOLTS AND NUTS, CAMSHAFT GEAR BOLT, LOER PIST BOLTS & NUT, CAMSHAFT GEAR BOLTS, NEW OIL TEMP CONTROL VALVE P/N AEL19600 S/N 3073 TO COMPLY WITH L/C. 5B518C. UPDATED O/R BY REPLACING CAGED OIL RELIEF VALVE SEAT WITH INSERT SEAT P/N 76530-PO1 AND INSTALLING HIGH CAPACITY OIL RELIEF VALVE P/N 76539 PER L/C 5T1172C. REPLACED FUEL PUMP DRIVE LOER GEAR, REPLACED OIL PUMP BODY P/N AEL78531, RECONDITIONED ALL CYL'S AND FIT NEW RINGS TO NEW PISTONS. REPAIRED AND FUNCTIONALLY TESTED 2 SLICK MAGS: 1 P/N 4250R S/N 6059233 BY INSTALLING NEW CAPACITOR P/N K-3984 AND DIST. GEAR P/N M3827 & 4251R S/N 6069099 BY INSTALLING NEW CYL P/N K3975 AND DIST GEAR P/N M3827, OVERHAULED CARBURETOR P/N 10-4164-1 S/N K-7B-653, Q/D AD 2004-10-14 BY INSPECTING O/S GEAR P/N 13819646 (34 RADIUS SPLICERS) AND REPLACING WITH NEW BOLT P/N AEL STD-2213

Photograph 1 - Engine logbook

INSPECTION & MAINTENANCE RECORD		
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-20-07	2869	CONTINUED — BELT TORQUED AND SAFETIED 1/4 IN LYS. 58475. Q/W AD96-09-10 BY INSPECTING STEEL OIL PUMP GEARS P/W LW-18109 & LW-18110 AND REINSTALLED WITH NEW OIL PUMP BODY ON AEL 78531. AD98-02-08 P/W (P.I.D) ENGINE TEST CELL RUN AND FOUND SATISFACTORY. IRRADIATED PARTS LIST AND "YELLOW TAGS" BACK OF LOG BOOK. LOG BOOK TIME TO CONTINUE FROM TSMOH 308.0hrs (PERTINENT DETAILS OF THE REPAIR ARE ON file at this agency under work order No. <u>022603</u> Date <u>July 19, 2007</u> Signed <u>[REDACTED]</u> for Columbia Aircraft Services, Inc. Bloomsburg, Penna. FAA R.S. #M27930K
7-21-07	2874	Installed in N7863W & ran up OK 100 into Manual Oil added & ran up pressure with spark plugs out before Start <u>[REDACTED]</u>

Photograph 2 - Engine logbook

INSPECTION & MAINTENANCE RECORD		
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10-1-98	2579	^{256h} Major Overhaul - New crankshaft & connecting rods, new cylinders, new pistons & bearings, crankshaft certified, new cam followers & tappets, new type oil pump gears & housing, new fuel pump, Magneto reworked, all new hoses, starter & alternator reworked, wires replaced, Baffle & seal replaced, propeller & hubbed, new muffler & exhaust & light manifold, carb & handled, engine preoiled, run up OK. 10-20
		Certify that the engine has been inspected in accordance with a annual inspection and was determined to be in airworthy condition. see AD list
8-12-99	2586	Changed Float - metal Float taking in gas - adjust levels idle speed, & linkage, removed defective noise condenser from attenuator, Oil & butter changed minor.

Photograph 3 - engine logbook