

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Engine Previous Total: 2800.7
 Hour Meter: 3238.1
 Since Major Overhaul: 0.0
 Propeller Total: 0.0
 Date: 12-15-03

TCM TSIO-520-EB Right S/N 521027

Above referenced engine overhauled to new parts limits per FAR 43.2 (a) (1) (2) to conform w/TCM SM X-30574A. All gears cleaned, polished when required, inspected, magnafluxed and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818. Rev. E dated 5/18/98. Installed above referenced engine in right position of Cessna S/N T310R0988. Installed new RAM camshaft P/N 1058-1A, S/N K02021 as direct PMA replacement of TCM camshaft. AD 97-26-17 c/w per installation of VAR crankshaft p/n 649898 s/n K139503N per TCM CSB96-8 and C/W ultrasonic inspection per MSB96-10. AD 99-19-01 N/A per crankshaft date of manufacture I/A/W TCM CSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W TCM Mandatory Service Bulletin MSB00-5C. Engine assembled with new ECI heavy style crankcase P/N AEC653923-01, S/N 2G132. Installed new ECI Titan Nickel cylinders. Cylinder hold-down nuts replaced and torqued per Overhaul Manual Supplement. MSB02-9 (ECI Cylinders) N/A per date of manufacturer. ECI Mandatory Service Bulletin No. 03-7A N/A per date of manufacturer. Cylinder stamped with "A" on rocker box flange. Installed Floscan transducer per STC SE5726SW. Installed new Hartzell propeller model PHC-C3YF-2UF/FC7693DFB S/N EB5625B per STC SA09971SC. Engine accessories exchanged for remanufactured or new units except as noted. Installed new prop governor S/N 030266. Re-used customer's tach generator S/N 127069 which has 1248.1 hours since overhaul. Installed new Aero Accessories dry air pump P/N AA442CW, S/N N20346. Installed overhauled turbocharger S/N GGR00095. AD 76-02-07 N/A per installation of ALV9510 alternator. Installed new RAM/FAA/PMA fuel nozzles P/N 2562-15C. New Slick pressurized magnetos P/N 6320 installed per STC SE4651SW and pressurized. SB94-8A on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. Engine modified to TSIO-520-EB per Continental service Bulletin M-75-6. Installed modified connecting rods P/N 1162-1 with bearing P/N 630826 as FAA-PMA approved replacement. Installed RAM/FAA/PMA rocker arms p/n 1842-3 and 1842-4. AD 98-01-08 n/a per installation of RAM/FAA/PMA rocker arms. Cadmium plating of engine hardware and associated lines and fittings per QQ-P-416C Class 2, Type II. AD 2000-01-16 C/W, see airframe log for details. Installed new Aeroquip integral firesleeved fuel and oil hoses meeting TSO-C53A Type D and TSO-C75 Type III. Installed overhauled oil cooler P/N 636900, S/N G03-36678-5/60719 Exhaust slip joints modified per STC SA4331SW. C/W AD 79-05-09 per installation of new current design oil pressure plunger assy. C/W AD 89-24-01 R1 per installation of starter adapter P/N 6420845A17 with current scavenge pump gears. Category 1 thru 3 TCM Service Bulletin Compliance listing in RAM Manual. Engine serviced with Phillips multi-grade 20W50 Type M mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Above referenced engine eligible for 1400 hr. TBO per TCM SIL98-9 Rev. A. All aluminum alloy engine parts were coated per RAM Specifications No. 1142. Propeller balanced per Service Manual with spinner and bulkhead installed. Installed spring loaded induction clamps p/n 1170-2 per STC SE3632SW. Installed RAM-FAA-PMA rocker box cover gaskets p/n 1387-1. C/W AD 93-16-15 per TCM SB MSB95-6 installation of fuel pump drive coupling p/n 653359. Engine ground run on test stand per RAM specifications for 3 hours. Engine pump pressure, idle, mixture, fuel flow, max RPM manifold pressure, and oil pressure adjusted per TCM TSIO-520-EB specifications. Engine ground run power test good. All engine systems checked for leaks. Engine approved for return to service for RAM Aircraft test flight procedures. Pertinent details on file under project no. 973.

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