

RAM

AIRCRAFT CORPORATION

ENGINE MAINTENANCE RECORDS

Aircraft Registration CF-DYS
Engine Position Left
Engine Serial No. 521470

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ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. CF-DYS

Engine Manufacturer TCM

Model TS10-520-NB

Serial No. 521470

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

Right

Left

817/752-8381

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708
FAX 817-752-3307

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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
				TOTALS brought forward from previous page



Waco Regional Airport

Engine Previous Total: 2077.5
 Since Remanufacture: 00.0
 Date: 6/22/95

SERIES I TCM TSIO-520-NB S/N L-521470

Above referenced engine remanufactured to new parts limits to conform w/TCM SM X-30574A. Installed RAM camshaft p/n 1058-3SL, s/n B95011 as direct PMA replacement of TCM camshaft. Installed heavy style case p/n 643207 w/ channel chrome cylinders. Cylinders modified to RAM p/n 1158-2 per STC SE3631SW. Crankcase modified to RAM p/n 1157-7 per STC SE3630SW. Cylinder hold-down nuts replaced and torqued per overhaul Manual Supplement. Reused customer's alternator, fuel pump, fuel manifold and starter, which were inspected and installed in their respective positions with respective time in service. Engine accessories exchanged for remanufactured units with exception of vacuum pump and propeller governor which were not installed per this work order. New Slick pressurized magnetos p/n 6320 installed per STC SE4651SW and pressurized. See 337. SB94-8 on magneto timing procedure c/w per timing to data plate TC or STC degree requirements with TDC locator and protractor with pointer. AD 86-13-04 R3 was complied with and found N/A per cylinder p/n. Installed RAM/FAA/PMA rocker arms p/n 1158-4 and -5 (single-piece bushing). Cadmium plating of engine hardware and associated lines and fittings per QQ-P-416C Class 2, Type II. AD 93-08-17 not applicable to TSIO-520-NB. AD 78-06-01 c/w previously per new intake tube p/n 642590. 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 642085A8 with current scavenge pump gears. Service Bulletin compliance through CSB 94-15 in RAM Manual. AD 76-02-07 n/a per installation of ALV9510 alternator. AD 87-23-08 is n/a per crankshaft p/n. TCM SB 92-16 n/a to TSIO-520 "B" series crankshaft. Above referenced engine was made eligible for 1600 hr. TBO per TCM M91-08 Note 3. AD 88-03-06 is n/a per oil filter installed this date. AD 91-19-03 is n/a per code date of Champion oil filter p/n CH48108 or CH48109. All aluminum alloy engine parts were coated per RAM Specification No. 1142. Crankshaft Assy., connecting rods, pistons, piston pins, and turbocharger compressor wheel Assy's. were balanced per RAM Specification No. 1161. See RAM Certificate. Installed spring loaded induction clamps p/n 1170-2 per STC SE3632SW. Installed RAM-FAA-PMA rocker box cover gaskets p/n 1387-1. Cylinders flowed per RAM Cylinder Flowing Specification No. 1242. C/W AD 93-16-15 per TCM SB M93-9 R1 installation of fuel pump drive coupling p/n 653359. AD 93-10-02 (MSB 93-12) N/A per non-assembly cylinder purchase and channel chrome. Engine ground run on test stand per RAM Specifications for three hours. Engine run-in with Phillips 20W-50 Type M mineral oil. RAM recommends 25 hours operation before next oil change. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Do not use Mobil AV-1. Engine approved for return to service for installation and RAM Aircraft test flight procedures. Pertinent details on file under Work order No. 1752/L0099.

Harry D. Ormand

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