

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
------	-----------------------	---------------------------	------------------------------	---

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
2-25-11	7167.0	0	



RAM Aircraft, Limited Partnership • Waco Regional Airport

TCM TSIO-520-NB Series VII Right Engine S/N 509689

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/TCM SM X-30574A. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnafluxed, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. K dated 2-08-2010. Above referenced engine modified to TSIO-520-NB 335 HP per STC SE09104SC-D. Installed new RAM camshaft p/n 1058-1A, s/n L08049 per STC SE09104SC-D. Installed lifters p/n 658088 int. p/n 658077 exh. AD 10-11-04 n/a to lifter p/n installed. AD 97-26-17 c/w per installation of new VAR crankshaft p/n 649898 s/n N10EA006 per TCM CSB96-8. Ultrasonic inspection per MSB96-10A, due at next overhaul or when crankshaft removed. AD 99-19-01 n/a per crankshaft date of manufacture I/AW TCM MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/AW TCM Mandatory Service Bulletin MSB00-5D. Engine assembled with overhauled TCM heavy style crankcase p/n 654128-1, s/n R00JA008. Installed new ECI Titan Nickel cylinders. Cylinder hold-down nuts replaced and torqued per Overhaul Manual Supplement. Installed new oil cooler p/n 8000440, s/n 4082050. C/W AD 89-24-01 R1 per installation of starter adapter p/n 642085A4 with current scavenge pump gears. Installed new RAM/FAA/PMA fuel nozzles p/n 2562-14D. TCM Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. Installed modified connecting rods p/n 1162 per STC SE4327SW-D as FAA/PMA approved replacement. AD 86-13-04 R3 and AD 93-10-02 (MSB93-12) N/A per cylinders installed. MSB02-9, MSB06-2 REV. 2 and AD 2004-08-10, MSB04-1 REV. 2 ECI Cylinders N/A per date of manufacturer. AD 09-16-03 SAP Cylinder N/A per ECI Cylinders installed at overhaul. Engine accessories exchanged for overhauled or new units with exception of the vacuum pump, hydraulic pump and tach generator which were not installed per this work order. New Slick pressurized magnetos p/n 6320 installed per STC SE4651SW-D and pressurized. Service Bulletin SB3-08A N/A to magneto serial numbers installed. MSB94-8D on magneto timing procedure c/w per timing to STC degree requirements with TDC locator and protractor with pointer. Engine modified to TSIO-520- NB per Continental Service Bulletin M75-6 Rev 1. 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. Installed RAM FAA/PMA oil cooler baffle p/n 1253-1. Installed RAM FAA/PMA rocker arm covers p/n 2766-1. Installed RAM FAA/PMA rocker box cover gaskets p/n 1387-1. C/W AD 78-06-01 per installation of intake tube p/n 642590. Category 1 thru 3 TCM Service Bulletin Compliance Listing in RAM Manual. Above referenced engine was made eligible for 1600 hr. TBO per TCM SIL98-9 Rev. A, Note 2. Aluminum alloy engine parts were coated per RAM Specification No. 1142. Installed RAM/FAA/PMA spring loaded induction clamps p/n 1170-2. Engine ground run on test stand per RAM specifications for 4 hours. Engine run-in with Phillips 20W-50 Type M mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Engine approved for return to service for the work performed. Engine preserved per Service Bulletin SIL99-1 temp. storage up to 90 days. Pertinent details on file under Project No 5618.

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K

**RIGHT ENGINE LOG
SINCE RAM OVERHAUL**

SUB-TOTALS this page

TOTALS—Carry forward to next page

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554 P 1
 Repair Station #NF2R029L ENGINE LOG #2
 Type CESSNA 340A TT 7167
 N # 340RS TSMOH -0-
 S/N 340A0371 REC. HR. METER 2543

ENGINE MODEL TS10-520-NB
 ENGINE S/N 509689

FORMING WORK

INSTALLED THIS TS10-520-NB S/N 509689 WITH 7167.0 HOURS TOTAL TIME, -0- SMDH IN 340A0371 AND NEW HARTZELL PROPELLER MODEL PHC-C3YF-2UF/FC7693DFB S/N EB7284B AS PER RAM AIRCRAFT STC SA09574SC-D INSTALLATION OF RAM SERIED VII 335 HORSE-POWER ENGINE, INCREASE TAKEOFF WEIGHT TO 6350 LBS AND INCREASED LANDING WEIGHT TO 6075 LBS IN ACCORDANCE WITH RAM MASTER DRAWING NO. 2036, REVISION B DATED AUGUST 25, 1999 OR LATER FAA APPROVED REVISION. FAA APPROVED FLIGHT MANUAL SUPPLEMENT AFMS 1095 DATED SEPTEMBER 21, 1999 OR LATER APPROVED REVISION IS REQUIRED.

REMOVED PREVIOUSLY INSTALLED AMERICAN AVIATION INTERCOOLER AND SCOOPS INSTALLED AS PER STC SE4159NM JULY 31, 1997. INTALLED RAM INTERCOOLER AND SCOOPS AS PER DRAWING NO. 2555 REVISION A.

INSTALLATION OF THE HARTZELL PROPELLER WAS ACCOMPLISHED AS PER STC AS09971SC-D INSTALLATION OF HARTZELL MODEL PHC-C3YF-2UF/7693DF PROPELLER IN ACCORDANCE WITH RAM DRAWING NO. 2549 INITIAL RELEASE, DATED MAY 16, 2001 OR LATER FAA APPROVED REVISION. FAA APPROVED RAM AIRPLANE FLIGHT MANUAL SUPPLEMENT AFMS 1096, INTIAL RELEASE DATED MAY 16, 2002 OR LATER FAA APPROVED REVISION IS REQUIRED.

INSTALLED VACUUM PUMP COOLING SHROUD AS PER STC SA38505W-D INSTALLATION OF VACUUM PUMP COOLING SHROUD IN ACCORDANCE WITH RAM DRAWING NO. 1221 REVISION C DATED JULY 16, 1987.

COMPLETED INSTALLATION BY INSTALLING COMPONENTS SUPPLIED IN RAM'S INSTALLATION KIT, SHOCK MOUNTS, FUEL/DIL HOSE KIT P/N 1446-6, OIL/AIR SEPERATOR P/N AM108535A0, RAM SYNCHROPHASER SYSTEM, ENGINE GAUGES, AND PAPER INDUCTION AIR FILTER. SEE THE AIRFRAME LOG THIS DATE FOR EXHAUST SYSTEM REPLACEMENT.

THE PREVIOUSLY INSTALLED SHADIN DIGI-FLO-L FUEL FLOW INDICATING SYSTEM WAS RETAINED. THE INSIGHT GEM 1200 EGT SYSTEM WAS APPROVED AS A REPLACEMENT REF RAM DES APPROVAL.

RIGGED ENGINE CONTROLS FOR PROPER TRAVEL AND ALIGNMENT. SERVICED THE ENGINE WITH SUPPLIED 20W50 TYPE M PHILLIPS OIL AND PRE-OILED THE ENGINE.

ENGINE WAS ADJUSTED TO SPECIFICATIONS AS PER RAM SERIES VII RAM SID2006-01 FUEL INJECTION SYSTEM SPECIFICATIONS. THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W.O. # 18702 DATE: APRIL 7, 2011

SIGNED: BRUCE P. REBECHINI *Bruce P. Rebechini* For
 J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554
 F.A.A. APPROVED REPAIR STATION #NF2R029L