



## ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. N98WR

Engine Manufacturer TCM

Model TSIO-520R

Serial No. 512180

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

Right  Left

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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RAM Aircraft, Limited Partnership • Waco Regional Airport

Date	Total Time In Service	Total Time Since Overhaul	Recording Meter Time
06-15-07	2790.8	00.0	

TCM TSIO-520-R Engine S/N 512180

Above referenced engine overhauled to new parts limits per FAR 43.2 (a) (1) (2) to conform w/TCM SM X-30575A. 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. H dated 02/06/07. Above referenced engine modified per STC SE3630SW. Installed new TCM camshaft P/N 655384, S/N Z06KA292. AD 97-26-17 c/w per installation of overhauled VAR crankshaft p/n 649134 s/n D199610N per TCM CSB96-8. C/W ultrasonic inspection per MSB96-10 due at next overhaul or when crankshaft removed. AD 99-19-01 N/A per crankshaft date of manufacture I/A/W TCM MSB99-3C. AD2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W TCM MSB00-5D. Engine assembled with overhauled TCM heavy style crankcase P/N 654170, S/N L059302RS Installed new ECI Titan Nickel cylinders. Cylinder hold-down nuts replaced and torqued per Overhaul Manual Supplement. Installed new RAM/FAA/PMA fuel nozzles P/N 2562-14C. TCM Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. Installed new oil cooler P/N 8000545, S/N 1366061. AD 86-13-04 R3 and AD 93-10-02 (MSB93-12) N/A per cylinders installed. MSB02-9 (ECI Cylinders) N/A per date of manufacturer. AD 2004-08-10 (ECI MSB04-1, Rev. 2) N/A per cylinder serial numbers installed. MSB06-2, Rev. 2 (ECI Cylinders) N/A per cylinder serial numbers installed. Engine accessories exchanged for new or overhauled units with exception of the vacuum pump and prop governor which were not installed per this work order. New Slick pressurized magnetos P/N 6320 installed per STC SE4651SW and pressurized. AD 88-25-04 para (b) N/A to P/N 6320 but RAM recommends 100 hour or annual inspection of magnetos. MSB94-8C on magneto timing procedure C/W per timing to data plate TC degree requirements with TDC locator and protractor with pointer. 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. AD 93-08-17 not applicable per oil pick-up tube. C/W AD 79-05-09 per installation of new current design oil pressure plunger assy. C/W AD 79-25-07 P/C/W per engine mount leg P/N 643935 installed. Category 1 thru 3 TCM Service Bulletin Compliance Listing in RAM Manual. C/W AD 80-22-05 per installation of seal half plates P/N 641361. Above referenced engine eligible for 1600 hr. TBO per TCM SIL98-9 Rev. A, Note 4. AD 96-12-22 N/A per Cessna oil filter adapter not installed. AD 88-03-06 and AD 91-19-03 are N/A per oil filter installed this date. Unpainted aluminum alloy engine parts were coated per RAM Specification No. 1142. Installed RAM-FAA-PMA rocker box cover gaskets p/n 1387-1. 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. 3448.

*Anthony S. [Signature]*

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


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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
				<b>TOTALS</b> brought forward from previous page

**CROWNAIR**  
**FAA Approved Repair Station #CWNR273K**  
**3753 John J. Montgomery Dr.**  
**San Diego, CA 92123**


N98WR  
12/21/08

Model: Cessna T210M  
Tach Time: 2804.0

S/N: 21061770  
TSMO 00:00

Completed **annual inspection** Installed overhauled RAM engine model TSIO-520-R, S/N 512180. Installation done using all new vibration dampers and fluid carrying hoses. Serviced system with 10 qts Shell 100. Engine ran and check for leaks.


I certify that this aircraft has been inspected in accordance with a **Annual Inspection** and was determined to be in airworthy condition. Pertinent details of the inspection are on file at this Repair Station under Work Order #LT-07-03479.

  
 \_\_\_\_\_  
 Authorized Representative

N 98 WR S/N T210 61770 5-22-2009 @ 2847.2 HRS. TACH TIME, ENGINE T.T. 2834.0/SMOH 43.0 HRS.

1. ADJUSTED MANIFOLD PRESSURE IN ACCORDANCE WITH CESSNA T210 SERICE MANUAL.

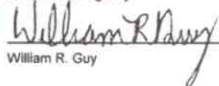
AEREXEC OPS, INC., 2735 E. SPRING STREET, LONG BEACH, CA 90806 562-424-8477  
 The aircraft and/or component was repaired and inspected in accordance ith current Federal Aviation Regulations and is approved for return to service for the work accomplished. For details see W.O> 6567 on file at this agency.

  
 William R. Guy R.S. DW3R464L

N 98 WR S/N T210-61770 6-20-2009 @ 2863.0 HRS. TACH TIME, ENGINE T.T. 2863.0/SMOH 59.0 HRS.

1. CHANGED OIL AND FILTER. SERVICED WITH PHILLIPS 20W50XC OIL. CUT AND INSPECTED FILTER FOR METAL CONTAMINATION - O.K. OIL SAMPLE TAKEN FOR ANALYSIS.

AEREXEC OPS, INC. 2735 E. SPRING STREET, LONG BEACH, CA 90806 562-424-8477  
 The aircraft and/or component was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service for the work accomplished. For details see W.O. 6582 on file at this agency.

  
 William R. Guy R.S. DW3R464L

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