

RAM AIRCRAFT
The Engine Specialist
FOR CESSNA, BEECHCRAFT, & CIRRUS AIRCRAFT



ENGINE MAINTENANCE RECORDS

Aircraft Registration N 39WH

Engine Position Right

Engine Serial No. 608667

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Date	Total Time In Service	Total Time Since Overhaul	Recording Meter Time
04-30-2024	3281.3	0.0	



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL GTSIO-520-L Right Engine S/N 608667

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform with CAT OH Manual X-30045 and M-0, Standard Practice Maintenance Manual. Applicable AD's and Service Bulletins complied with at this time. All gears cleaned, polished when required, inspected, magnetic particle inspected, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. P, dated 07/19/2017. Above referenced engine modified per STC SE8338SW-D. Installed new RAM camshaft, P/N 2621-2, S/N XGG21081, as direct PMA replacement of Continental camshaft. Installed new lifters, P/N SA628488 (int) and P/N SA646277 (exh). AD 10-11-04 N/A to lifter P/N installed. Installed overhauled VAR crankshaft, P/N 653020, S/N N02AA272. Complied with ultrasonic inspection per MSB96-10B, due at next overhaul or when removed. CAT GTSIO-520 series engine crankshaft counterweights, P/N 652833-OH, are repaired in accordance with FAA approved procedures per RAM Drawing 2618, Rev. B, dated 10-21-05. Instructions for Continued Airworthiness: Remove P/N 652833-OH counterweights at next engine overhaul and replace with new per CAT Continental M-0, Standard Practice Maintenance Manual, except if repaired by RAM Aircraft, Limited Partnership per latest FAA approved revision of RAM Drawing 2618. Contact RAM Aircraft, L.P. at 7505 Karl May Drive, Waco, TX 76708, or (254)752-8381 for replacement parts or service difficulties. AD 99-19-01 N/A per crankshaft date of manufacture in accordance with CAT MSB99-6B. AD 2023-05-16 N/A to crankshaft serial number/date of manufacture in accordance with CAT MSB23-01A. Engine assembled with new CAT heavy style crankcase, P/N 656935-12, S/N S24CA512. Installed new CAT steel cylinders. CAT SB18-08B N/A per cylinder S/N. Installed new RAM/FAA/PMA fuel nozzles, P/N 2563-19A. CAT Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. CAT Service Bulletin SB06-1A N/A per date of manufacture. Installed overhauled oil cooler, P/N 8000464, S/N 3859146. Engine accessories exchanged for overhauled or new units, with exception of prop governor, alternator, vacuum pump, hydraulic pump, and tach generator, which were not installed per this work order. Overhauled Bendix magnetos installed. Magnetos timed to Type Certificate Data Sheet degree requirements with TDC locator and protractor with pointer per Continental M-0. Installed CAT overhauled rocker arms, P/N 652966. Starter adapter shaftgear and crankshaft gear inspection, AD 2007-05-15 complied with per CAT Service Bulletin MSB94-4H Part 5 per installation of Service Kit EQ6642. Damper backlash inspection per Part 2 due in 100 flight hours. Visual inspection of crankshaft gear and starter adapter shaft-gear due per Part 3 in 400 flight hours. Category 1 through 3 CAT Service Bulletin Compliance Listing in RAM Manual. Relocated turbo oil supply line per RAM Dwg. No. 1224, Rev H, dated 11-18-03 per STC SE8338SW-D. Installed RAM/FAA/PMA spring loaded induction clamps P/N 1170-1. Installed RAM/FAA/PMA rocker box cover gaskets P/N 1366-1. Engine ground run on test stand per CAT specifications for 90 minutes. Engine run-in with Aeroshell 100 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 Continental M-0, Standard Practice Maintenance Manual, for temporary storage up to 90 days. Pertinent details on file under Project No. 10839.

Michael J. Sullivan

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

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DATE	TOTAL TIME SINCE	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
			TOTALS

N39WH

Date 08-09-2024

Hobb 517.6 TSOH 0.0, TTE 3281.3 TAF 6944.7

Cessna 421C, S/N 421C-0070

Right Engine

1-Installed RAM Overhauled engine GTSIO-520-L with Ram Hose Kit and engine Mounts Kit. Engine includes standard accessories see details under RAM file project # 10839. Original vacuum pump and hydraulic pumps Installed, C/W AD 2000-01-16 Par (b) Visual & par(d) Beam Inspection, replaced loose 6 Rivets as necessary same size & type. Inspected & cleaned beam, Painted bare spots with Epoxy paint. Replaced the following Exhaust Left Stack assembly K9910295-15, R&L Slip joints Right and Left A9910296-7, Tail Pipe 9910300-16. Original prop McCauley 3FF32C501-A/G-90UMB-0, S/N 8704444. Original Gov McCauley Gov DCFUS290D7A/T6, S/N 761521. Installed All engine fuel and oil lines replaced with RAM Hose kit right engine fire wall forward. Hoses not included with RAM hoses, Fuel line to Shaden FF. 124J001-6CR-0062, 124J001-6CR-00173 and Airframe hydraulic hose 124J002-10CRO251 0251. Aero Aviation INV# H52883-1. Serviced with 20W50 X/C Mineral oil. Pre-oiled. Ran and adjusted engine Fuel pressure Idle RPM, Mixture and MP as per Cessna 421C Serve Manual. Exhaust items inspected and re installed. Y collector P/N 991030000-13, 538 hr's. Bypass elbow P/N A9910 Time Since New 23.9. R/H Stack 9910295-16 TSN 688.7 hr. Ran aircraft ops check OK. Leak Check OK.

David Sahl A&P 3493300

David Sahl

Fargo Aircraft Maintenance Inc.

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N39WH

Date 10-05-2024

Hobb 535.8

- 1- Change oil and oil filter. Serviced with 20W50 X/C. Cut filter, no contaminates noted. Ran aircraft ops check ok leak check ok.
- 2- C/W AD 2000-01-16 par (b) Visual exhaust. No defects noted.

David Sahl A&P 3493300

David Sahl

Fargo Aircraft Maintenance Inc.

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