

# **N617CC**

## **1980 Cessna 421C**

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# **RH Engine Logbook SMOH 2021-2022**

**Aircraft S/N: 421C-0897**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*



**ENGINE  
MAINTENANCE  
RECORDS**

Aircraft Registration           N617CC            
Engine Position           R4            
Engine Serial No.           272484-R



## ENGINE MAINTENANCE RECORDS

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

Aircraft Registration No. N1617CC

Engine Manufacturer TCM

Model GTS10-520-L

Serial No. 272484-R

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

Time Between Overhauls (TBO) 16000 Hours

If used on multi-engine aircraft:

Right     Left

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708  
254/752-8381                      FAX 254-752-3307                      1-800-445-9713

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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
7/22/2021	1081.6	0.0	



CONTINENTAL GTSIO-520-L Right Engine S/N 1002169

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/ CMI SM X-30045 and M-0, Standard Practice Maintenance Manual. Applicable AD's and Service Bulletins C/W 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 2621-1, s/n XGE20064 as direct PMA replacement of Continental camshaft. Installed new lifters p/n SA628488 (int), p/n 658077 (exh). AD 10-11-04 n/a to lifter p/n installed. Installed overhauled VAR crankshaft p/n 653020, s/n L229414N. Ultrasonic inspection C/W per MSB96-10B, due at next overhaul or when removed. CMI 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 TCM 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 I/AW TCM MSB99-6B. Engine assembled with overhauled CMI heavy style crankcase p/n 654119-12, s/n K11918306. Installed new CMI steel cylinders. Installed new RAM/FAA/PMA fuel nozzles p/n 2563-19A. TCM Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. TCM Service Bulletin SB06-1A N/A per date of manufacture. Installed overhauled oil cooler p/n 8000464, s/n 3859716. Engine accessories exchanged for overhauled or new units with exception of prop governor, vacuum pump, hydraulic pump and tach generator which were not installed per this work order. Installed new Plane Power C28-150 alternator (weight 13.0 lbs.), s/n H-V040346. This may require a weight and balance change. Installed overhauled alternator drive coupling p/n 648655, s/n QAA077224. Overhauled Bendix magnetos installed. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. Installed rocker arms p/n 1654-2. Starter adapter shaftgear and crankshaft gear inspection, AD 2007-05-15 c/w per TCM Service Bulletin MSB94-4H Part 5 per installation of Service Kit EQ6642 with bushing p/n 654472. 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 thru 3 CMI 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. AD 87-04-05 n/a per engine model. 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 RAM specifications for 3 hours. 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, and temporary storage up to 90 days. Pertinent details on file under Project No. 9932.

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

1579.7


SUB-TOTALS this page

TOTALS—Carry forward to next page

OZARK AIRCRAFT MAINTENANCE LLC  
CAPE GIRARDEAU REGIONAL AIRPORT  
CAPE GIRARDEAU MO 63701

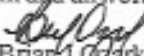
September 28, 2021 CESSNA 421C S/N 421C0897 N617CC

Continental GTSIO-520-L S/N 1002169 (Right)

Hobbs 7579.8 TSOH 0.0 Total Time 1081.6

On this date installed this engine on left side N617CC after overhaul by RAM Aircraft. Installed all new fluid carrying hoses. New engine isolators and safety washers torqued IAW Cessna service manual. Reinstalled vacuum pump and hydraulic pump. Installed overhauled propeller governor. Added 12 qt aeroshell 100 oil and preoiled turbocharger and oil system. Set fuel pressures IAW TCM SID97-3G. Ground ran and leak checked.

I certify that this engine has been inspected IAW FAR 43 App (d) a 100 Hr inspection and was determined to be in and airworthy condition.

  
Brian J Ozark  
AP41640790


OZARK AIRCRAFT MAINTENANCE LLC  
CAPE GIRARDEAU REGIONAL AIRPORT  
CAPE GIRARDEAU MO 63701

November 21, 2021 CESSNA 421C S/N 421C0897 N617CC

Continental GTSIO-520-L S/N 1002169 (Right)

Hobbs 7605.3 TSOH 25.5 Total Time 1107.1

On this date drained oil and inspected filter. Added 12 qts Aeroshell W100 oil and 1 AA48111-1 filter. C/W AD2000-01-16 para (b) no defects noted next inspection due hobbs 7655.3. Reset fuel pressures IAW SID97-3G. Washed and ground ran engine no leaks noted.

  
Brian J Ozark  
AP41640790

LOGBOOK ENTRY

DATE: 3/3/22 MAKE: Cessna N# 617CC TACH: 7642.3

Right engine  
Changed oil and filter. Serviced with Aeroshell W100 Plus and a CH48111-1. Retrieved an oil sample for analysis. Ground ran engine for leak check. No leaks noted this date.

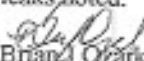
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CAPE GIRARDEAU MO 63701

June 29, 2022 CESSNA 421C S/N 421C0897 N617CC

Continental GTSIO-520-L S/N 1002169 (Right)

Hobbs 7703.1 TSOH 123.3 Total Time 1204.9

On this date drained oil and inspected filter. Added 12 qts Aeroshell W100 oil and 1 AA48111-1 filter. C/W AD2000-01-16 para (b) no defects noted next inspection due hobbs 7753.1. Washed and ground ran engine no leaks noted.

  
Brian J Ozark  
AP41640790