

N521RM

1977 Cessna 421C

LH Engine

Logbook

SMOH | #2 of 2

2020 - 2024

MSN: 421C-0335



RidgeAire
WORLDWIDE
aviation specialists

Prepared by the worldwide aviation specialists at RidgeAire, Inc.



ENGINE
MAINTENANCE
RECORDS

AIRCRAFT REGISTRATION No. N521RM
ENGINE POSITION LEFT
ENGINE SERIAL No. 277155-B



ENGINE
MAINTENANCE RECORDS

Log No. 2

AIRCRAFT REGISTRATION No. N 521RM
ENGINE MANUFACTURER Continental
MODEL GT550-520-L
SERIAL No. 277155-R
TIME BETWEEN OVERHAULS (TBO) 1600 HOURS

IF USED ON MULTI-ENGINE AIRCRAFT:

RIGHT LEFT

ENGINE MODEL: **DFW Aero Mechanix Inc.**
 GTSIO-520-L 16321 Addison Rd. Ste. 150
 ENGINE S/N (L): 277155-R Addison, Texas 75001
 277155-R Phone: 972-250-2403
 REG NO N521RM
 WORK ORDER:
 7475-12-2019

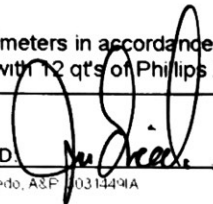
DATE: 1/29/2020
 A/C TSN: 8746.3
 ENG TT (L): 5502.6
 TSMOH (L): 650.7
 HOBBS: 802.6

Left Engine Entries

Set up engine fuel flow and perimeters in accordance with TCM97-3G
 Changed Oil & Filter, Serviced with 12 qts of Phillips XC 20W-50

DATE: 1/29/2020

SIGNED



Juan Oviedo, A&P 10314491A

Work Order: 7475-12-2019

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LEFT ENGINE LOG ENTRY

J.R AVIATION SERVICES 15790 DOOLEY RD ADDISON, TEXAS 75001

Aircraft Reg. N521RM	AFS/N: 421C0335	DATE: 06/10/2020	HOBBS: 0826.7
ENG Model GTSIO-520-L	ENG S/N 277155-R	TSMOH- 675.1	ETSN- 5527.0

- Complied with 100 hour inspection on continental Engine Model G7SO-520-L S/N 277155-R IAW Title 14 CFR part 43, Appendix D.
- Complied with Airworthiness Directive research on Engine. Current through bi weekly 2020-12.
- Complied with AD 2000-01-16 Exhaust IAW part b.c.e by visually inspection pressure test and tail pipe inspection on left and right system
- Complied with AD 2007-01-15 visually inspect viscous damper and perform gear backlash measurement at 4 points .03 .04.03.02 as per MSB94-9G no discrepancies note due again in 100 hours part 3 due at 400 hrs
- Performed compression check 1.62/80 2.64/80 3. 70/80 4. 62/80 5.66/80 6.68/80
- Changed oil and filter serviced with Aero-shell 100 W plus 10 qts and CH48111-1.
- Cleaned, gapped and rotate spark plugs.
- Cleaned and resealed fuel injectors.
- Cleaned and lube left hand slip joints per Ram Aircraft Services Instructions.
- Flushed left engine turbo charger per Ram instructions.
- Installed new engine vacuum pump pad mount garlock seal. Reinstall vacuum pump with new gasket P/N CR5062,
- Adjusted left engine oil pressure down.
- Set up left engine fuel flow IAW TCM SID97-3D Adjust full power manifold pressure and rpm adjust Idle mixture and Idle speed IAW Cessna 421C service manual.

I certify this aircraft, engine, propeller and/or component identified above was repaired and/or inspected in accordance with current F.A.A. regulations and was determined to be in airworthy condition and approved for Return to Service with respect to work performed.

Dated: June 10, 2020 Signed



JUAN MORALES A&P 2840494

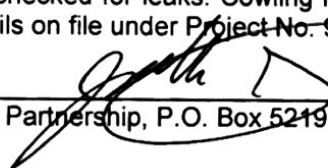
DATE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
9/25/2020	1388.2	694.1	845.7



Continental GTSIO-520-L Left S/N 277155-R

Above referenced engine removed cowling. Engine pump pressure, idle, mixture, fuel flow, max RPM, manifold pressure, and oil pressure adjusted per Cessna 421C Service Manual. Engine ground run power test good. Replaced #6 EGT probe. Removed, bench checked and reinstalled governor. Serviced engine with 1 qt. W100 Aeroshell oil. All engine systems checked for leaks. Cowling reinstalled. Engine is approved for return to service for work performed. Pertinent details on file under Project No. 9631.

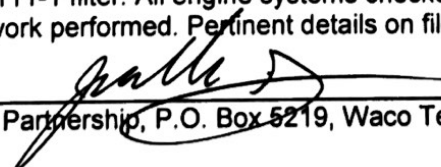

 RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco Texas 76708 CRS VA1R551K

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
10/28/2020		695.2	847.1



Continental GTSIO-520-L Left S/N 277155-R

Above referenced engine removed cowling and installed new cables, see airframe log for details. Installed GEM harness and prop sync harness. Installed new prop governor s/n 160038. Serviced engine with 11 qts W100 Plus Aeroshell oil and Champion CH48111-1 filter. All engine systems checked for leaks. Cowling reinstalled. Engine is approved for return to service for work performed. Pertinent details on file under Project No. 9658.


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

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L ENGINE LOGBOOK ENTRY

Reg #	N521RM		Utah Airways LLC. 3909 S. Airport Road Hanger S889 Ogden, Utah. 84405 888-663-9919	AFTT:	UNK
Make	Continental			Hobbs:	877.5
Model	GTSIO-520-NL			TSN:	UNK
Serial #	27715-R			TSMOH:	UNK
Position	Left			Work Order	SMP10794
Pilot reported left Alternator inoperative, removed left alternator P/N ALV-9610 S/N H-S030070 and installed Hartzell engine technologies overhauled alternator P/N ALV-9610 S/N H-V051588 with new gasket 653981 per continental standard practiced manual Section 10-4. Ground run and ops checked good.					
Signature & Certificate #				2296175 AP/IA	Date 6/3/2021
The Aircraft and /or components identified above were inspected and / or repaired in accordance with Title 14 Code of Federal Regulations, Part 43. And is approved for return to service in respect to that work performed.					

Aerospace Instrument Support, Inc. 1750 Westcourt Road Denton, Texas 76207 XI7R807J
 LOG ID# 1306 18-June-2021 WO# 18247 HOBBS 896.3
 N521RM S/N 421C0335 Cessna 421C Pg 1/1

**** ITEM # 18247-1 oil change ****
 DISCREPANCY: Oil Change
 ACTION: Drained and Serviced LH and RH engine oil and installed new oil filters (P/N: CH48111-1). Operational Check Passed. IAW Cessna 421C M/M 12-00-00.


06/18/2021
 Signed A&P 4124657 Keith Wilcox Date

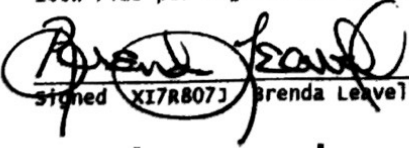
Aerospace Instrument Support, Inc. 1750 Westcourt Road Denton, Texas 76207 XI7R807J
 LOG ID# 1339 13-August-2021 WO# 18462 HOBBS 925.2
 N521RM S/N 421C0335 Cessna 421C Pg 1/1

**** ITEM # 18462-1 oil change ****
 DISCREPANCY: Oil Change Due
 ACTION: Drained Oil from LH and RH Engine and Removed Oil Filters. Cut oil Filter and Checked for Debris None Found. Replaced Oil Filters with PN: CH48111-1. Serviced with 13 Quarts per Engine of Aeroshell W100 Plus. IAW: Cessna 421 Service Manual Section 2


13 Aug 21
 Signed A&P 3936528 IA Kevin Roberts Date

Aerospace Instrument Support, Inc. 1750 Westcourt Road Denton, Texas 76207 XI7R807J
 LOG ID# 1366 04-October-2021 WO# 18660
 N521RM S/N 421C0335 Cessna 421C Pg 1/1
 HOBBS 951.0

**** ITEM # 18650-1 oil change ****
 ACTION: Drained oil from LH and RH engines. Removed oil filters. Cut oil filters to check for debris, none found. Replaced oil filters and part number CH48111-1, serviced 13 quarts Aeroshell 100W plus per engine. IAW Cessna 421 Service manual Section 2



OCT 04 2021
 Signed XI7R807J Brenda Leavelle Date

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**** ITEM # 19033-3 RH Strut Service ****
 DISCREPANCY: RH Main Landing Gear Strut Low
 ACTION: Serviced Strut with Nitrogen to Limits. IAW: Current Cessna 421C Service Manual Section 5

**** ITEM # 19033-4 LH Alternator Replacement ****
 DISCREPANCY: LH Alternator INOP
 ACTION: Removed Alternator M/N: ALV-9610 S/N: H-V102045, and installed Alternator M/N: ALV-9610 S/N:
 H-V112879 IAW Maintenance Practices in current Cessna Model 421C Golden Eagle Maintenance Manual,
 Ch. 13 Sect 22



 Signed A&P 3936528 IA Kevin Roberts

1 Mar 2022
 Date

**** ITEM # 19266-1 annual inspection ****
 ACTION: Completed 100 Hour Engine Inspection. Drained Oil, Removed Filter, Cut and Checked for
 Debris, None Found. Replaced Filter with PN: CH48111-1 Serviced with 13 Quarts of Aeroshell W100
 Plus. Compression Results: #1: 76, #2: 74, #3: 76, #4: 75, #5: 72, #6: 76. IAW: Current Continental
 GTS10-520 Operators Manual.

**** ITEM # 19266-22 2000-01-16 exhaust system ****
 ACTION: Complied with AD 2000-01-16 by Visual Inspection of Exhaust System. Next Due in 100 Hours

**** ITEM # 19266-28 LH engine cylinder ****
 ACTION: Replaced both valve cover gaskets on cylinder two of LH engine P/N: 08-01319, IAW PMA
 certification & instruction card 12-RG-632459


 Signed A&P 3936528 IA Kevin Roberts

7/28/2022
 Date

wo: WO_23

Engine L - page 1 of 1

HOBBS: 1091.7 GENERATION JETS - 205 West Louisiana Street suite 201 - McKinney, TX 75070 - 8175643267

N521RM CONT MOTOR, GTS10-520-F-K, S/N: ENGINE-L SN TBD October 13, 2022

Removed and replaced oil filter and serviced oil IAW Cessna 421-C service manual. Engine run up and leak
 check completed, no discrepancies noted. PN 48111-1, Aeroshell 100Wplus installed (10) P/N AeroShell
 W100 Plus - OIL, Installed P/N AA48111 - Oil Filter.

With respect to the work performed, this engine is approved for return to service. Details of work performed
 are on file with GENERATION JETS under work order: WO_23.

Bryan Waldo A&P 3730638 

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