

# N23DT

## 1975 Cessna 421B

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# RH Engine

# Logbook

## SMOH

## 2018 - 2024

**MSN: 421B-0852**



**RidgeAire**  
WORLDWIDE  
aviation specialists

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

N19536

Right Engine



**WESTERN**  
*Skyways*  
INC.

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**ENGINE  
MAINTENANCE RECORDS**

21 Creative Pl. Montrose, CO 81401  
(970) 249-0232 • 800-575-9929 • FAX (970) 249-4155  
[www.westernskyways.com](http://www.westernskyways.com)



# WESTERN Skyways INC.

**COLD SEAL AIRCRAFT ENGINES**

21 Center Place  
Baltimore, MD 21286  
www.westernskyways.com

TEL: 410-488-1100  
FAX: 410-488-1102

Engine Make: CONTINENTAL Model: GTSIO-520-H  
 Serial Number: 817630-R W/O No: W054596 Date: 04 OCT 2018  
 Warranty Number: J18237 Warranty Start Date: 10/2018  
 Crankshaft Serial No: K119606N Cylinder Part Number: CMI 658591A2BP NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: X30045 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 1340.6 Hrs.

This engine meets requirements of CONTINENTAL M-0 for 1600.0 Hour TBO

The accessories listed below were New or Overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag.	BL-349220-4	F18CA159R	Prop Gov.	DCFS290D9/T6	810126
R/H Mag.	BL-349260-7	F18DA152R	Wastegate:	470830-9020	H-PE000126
Fuel Pump:	646211-2A2	B02DA205R	Alt/Gen:	N/A	N/A
Inj/Carb:	639625A11	A02DA177R	Press Rel Val.:	N/A	N/A
Man Valve:	634326-7A10	C02DA189R	Pop Off.:	N/A	N/A
Starter:	C24ST4 NEW	H-S072302	Controller:	N/A	N/A
Turbo:	408610-9001	FCL2235	Turbo 2: Stone:	N/A	N/A
			Fuel limiter:	642100-2	W054596

## MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature:   
 Repair Station No. WS9R575J

Form 200

Cylinder S/N	Cylinder S/N
#1: AC18CB253	#5: AC18CB277
#2: AC18CB294	#6: AC18CB259
#3: AC18CB271	#7: N/A
#4: AC18CB280	#8: N/A

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**DESCRIPTION OF WORK PERFORMED –  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**

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**AD NOTES COMPLIANCE RECORD**

Engine - Continental Motors - GTSIO-520-H SN: 817630-R Western Skyways, Inc.  
WS9R575J  
W/O# W054598

Appliance - Magnetos - TCM (formerly Bendix) S-1200 series S/N: F18CA158R P/N: BL-349220-4  
S/N: F18DA152R P/N: BL-349260-7  
Model: S6LN-1231, S6LN-1235

Appliance - Turbochargers - Kelly Aerospace SN: FCL2235 P/N: 408610-9001

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Data	Authorized Signature & Number
74-28-08	Bendix magnetos	04 OCT 2018 1340.8	N/A per magneto part number.	X			Larry Flatten WS9R575J <i>LF</i>
74-40-13	Turbocharger oil inlet adapters	04 OCT 2018 1340.8	N/A per engine serial number and manufacture date of 2002.	X			Larry Flatten WS9R575J <i>LF</i>
77-13-32 R1	Crankcase cracks	04 OCT 2018 1340.8	N/A per engine serial number and manufacture date of 2002.	X			Larry Flatten WS9R575J <i>LF</i>
79-08-08	Oil pressure relief valve	04 OCT 2018 1340.8	"Current Design" screw and plunger installed.	X			Larry Flatten WS9R575J <i>LF</i>
80-09-11	Starter torsional separation damper	04 OCT 2018 1340.8	Factory rebuilt R-EQ6642 CMI starter adapter installed. See Continental Motors 8130-3, W/O 570323 0000222212 dated 23 JAN 2017.	X			Larry Flatten WS9R575J <i>LF</i>
81-34-06	Fuel pump	04 OCT 2018 1340.8	N/A per fuel pump S/N: B02DA205R.	X			Larry Flatten WS9R575J <i>LF</i>
82-13-01	Bendix magnetos	04 OCT 2018 1340.8	Verified green blocks not installed in magnetos.	X			Larry Flatten WS9R575J <i>LF</i>
82-20-01	Bendix magnetos	04 OCT 2018 1340.8	N/A per magneto model number	X			Larry Flatten WS9R575J <i>LF</i>
86-13-04 R3	Cylinder assemblies	04 OCT 2018 1340.8	Installed NEW CMI cylinders, P/N: 658591A2.	X			Larry Flatten WS9R575J <i>LF</i>
88-03-06	Oil filter	04 OCT 2018 1340.8	N/A oil filter not supplied.	X			Larry Flatten WS9R575J <i>LF</i>
91-19-03	Champion oil filter	04 OCT 2018 1340.8	N/A oil filter not supplied.	X			Larry Flatten WS9R575J <i>LF</i>
93-10-02	Cylinder valve retainer	04 OCT 2018 1340.8	Installed NEW CMI cylinders manufactured MAY 2018.	X			Larry Flatten WS9R575J <i>LF</i>
94-01-03 R2	Teledyne/Bendix magnetos	04 OCT 2018 1340.8	N/A per magneto serial numbers.	X			Larry Flatten WS9R575J <i>LF</i>
94-06-09	Teledyne/Bendix magnetos	04 OCT 2018 1340.8	N/A per magneto serial number.	X			Larry Flatten WS9R575J <i>LF</i>
98-21-18	Engine teardown and analytical inspect.	04 OCT 2018 1340.8	Engine inspected during overhaul.	X			Larry Flatten WS9R575J <i>LF</i>

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AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Data	Authorized Signature & Number
98-17-11	Crankshafts	04 OCT 2018 1340.8	Crankshaft, S/N: K119606N visual dimensional and magnetic particle inspected by Aircraft Specialties Services Inc. See 8130-3, W/O 250017 dated 08 AUG 2018.	X			Larry Flatten WS9R575J <i>LF</i>
98-18-01	Crankshaft failure	04 OCT 2018 1340.8	N/A per crankshaft S/N: K119606N.	X			Larry Flatten WS9R575J <i>LF</i>
2004-06-18	Prevent loss of engine power	04 OCT 2018 1340.8	Installed factory NEW cylinders P/N: 658591A2.	X			Larry Flatten WS9R575J <i>LF</i>
2006-12-06	Prevent failure of the magneto impulse coupling assembly	04 OCT 2018 1340.8	N/A per magneto part number.	X			Larry Flatten WS9R575J <i>LF</i>
2007-06-16	To prevent failure of the starter adapter assembly and or crankshaft gear	04 OCT 2018 1340.8	Installed factory rebuilt R-EQ6642 starter adapter. Installed bushing in case.	X		1440.8 hours per pars G and H	Larry Flatten WS9R575J <i>LF</i>
2016-07-08	To prevent separation or seizure of the turbocharger turbine	04 OCT 2018 1340.8	Turbocharger was overhauled by Main Turbo Systems. See 8130-3 W/O# 55807 dated 20 AUG 2018.	X			Larry Flatten WS9R575J <i>LF</i>
2016-11-04	To prevent excessive hydraulic lifter wear	04 OCT 2018 1340.8	Installed overhauled lifters P/N: 653888 and 653877.	X			Larry Flatten WS9R575J <i>LF</i>
2011-13-03	To prevent seizure of the turbocharger turbine	04 OCT 2018 1340.8	Turbocharger was overhauled by Main Turbo Systems. See 8130-3 W/O# 55807 dated 20 AUG 2018.	X			Larry Flatten WS9R575J <i>LF</i>
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	04 OCT 2018 1340.8	N/A Fuel injection servo not used on this engine.	X			Larry Flatten WS9R575J <i>LF</i>
2016-16-12	ECI Class 71 or Class 76 Cylinder Assembly Failures	04 OCT 2018 1340.8	Installed NEW CMI cylinders.	X			Larry Flatten WS9R575J <i>LF</i>



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DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



### Engine 2 Log

Continental - GTSI -520-H2 - 817630-R

W/O: 1902141953G

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HM: 4,871.1    ACTT: 6,358.7    E1TT: 1,690.7    E2TT: 1,363.7    E3TT:    E4TT:    P1TT: 2,468.8    P3TT:    APUIT:     
 AFL:    E1C:    E2C:    E3C:    E4C:    P2TT: 1,173.0    P4TT:   

Task No: 1 - Adjusted Variable Absolute Pressure Controller IAW Cessna 421 Service Manual Pg. 9-51. Engine Run Satisfactory.

The aircraft/component identified above was maintained or altered in accordance with current regulation FAR 91.409(A)(1) of the Federal Aviation Administration and is approved for return to service for the work performed. Current maintenance manuals were used. All disrupted systems were restored and functionality tested in accordance with mfg's instructions. Pertinent details of the repair are on file with SimsAir, LLC.

Date: 2/27/2019    Authorized Signature: *Zachary R. Bishop*    Zachary R. Bishop, A&P 3745781

SimsAir, LLC - 1904 Cardiff Rd, Hangar HC-103-C - Brookshire, TX 77423 - (713) 294-7994 - www.simsair.com



### Engine 2 Log

Continental - GTSI -520-H2 - 817630-R

W/O: 1903181953G

Page 1 of 1



HM: 4,073.6    ACTT: 6,362.2    E1TT: 1,693.2    E2TT: 1,366.2    E3TT:    E4TT:    P1TT: 2,468.3    P3TT:    APUIT:     
 AFL:    E1C:    E2C:    E3C:    E4C:    P2TT: 1,178.8    P4TT:   

Task No: 1 - Drained Engine Oil & Remove Filter. Serviced w/ 13 qts. Aeroshell W100 Plus & Installed New CH48111-1 Filter. Cut & Inspected Removed Filter, No Contaminants Found. No Leaks Detected.

The aircraft/component identified above was maintained or altered in accordance with current regulation FAR 91.409(A)(1) of the Federal Aviation Administration and is approved for return to service for the work performed. Current maintenance manuals were used. All disrupted systems were restored and functionality tested in accordance with mfg's instructions. Pertinent details of the repair are on file with SimsAir, LLC.

Date: 4/13/2019    Authorized Signature: *Zachary R. Bishop*    Zachary R. Bishop, A&P 3745781

SimsAir, LLC - 1904 Cardiff Rd, Hangar HC-103-C - Brookshire, TX 77423 - (713) 294-7994 - www.simsair.com

09/11/19 N1953G Cessna C-421B S/N 421B0852 Hobbs 4102.9    Right Engine Logbook

**CORRECTIVE ACTIONS TAKEN**

"OIL CHANGE DUE" ----- Drain oil. Add 13 quarts of Aeroshell W 100. Install Champlon CH48111-1 filter. Previous filter cut with no defects noted. Engine ground run with operations normal and no leaks noted.

AIR PROFESSIONALS

PEARLAND REGIONAL AIRPORT  
(281) 992-3484

RANDY WAHLBERG  
A&P 9563642  
*R. Wahly*

DATE

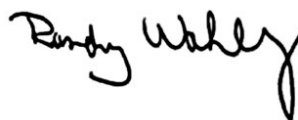
TACH OR  
RECORDING  
METER  
TIMEDESCRIPTION OF WORK PERFORMED –  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK04/07/20 N1953G Cessna C421B S/N 421B0852 Continental GTSIO-520-H2 S/N 817630-R Hobbs 4117.0  
Right Engine Logbook TTE 1409.6 SMOH 69.0

Comply with 100 hour/Annual inspection per scope and details of FAR 43 Appendix D. Change oil and filter. Drain oil. Add 13 quarts of Aeroshell W 100. Install Champion CH48111-1 filter. Previous filter cut with no defects noted. Compressions checked: #1- 78/80 #2- 77/80 #3- 78/80 #4- 79/80 #5- 75/80 #6- 79/80. Check mags for condition and proper timing. Clean, gap and test spark plugs. Inspect exhaust for condition by checking slip joints and attaching hardware. Inspect turbo and wastegate for condition. Lube wastegate valve. Check V-clamps for condition and proper torque. Check spar carry thru for condition ( complies with AD 2000-01-16 ). Lube engine controls. Engine ground run with operations normal and no leaks noted. AD's checked thru this date and complied with as noted in AD Summary Listing. I certify that this Engine has been inspected in accordance with a 100 Hour/ Annual inspection and was determined to be in an Airworthy condition on this date.

AIR PROFESSIONALS

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PEARLAND REGIONAL AIRPORT  
(281) 992-3484

RANDY WAHLBERG  
A&P 3563642IA



02/25/21 N1953G Cessna C-421B S/N 421B0852 Hobbs 4131.9 RIGHT ENGINE LOGBOOK

CORRECTIVE ACTION TAKEN

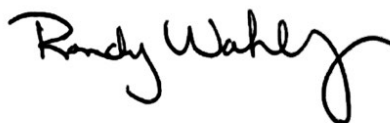
"ENGINE WILL NOT START"

- \*Troubleshoot system. Found bad starter drive. Removed and installed new TCM unit (p/n R-EQ6642).
- \*Check mag timing
- \*Check intake pipe fuel drains.
- \*Engine ground run with operations normal and no leaks noted.

AIR PROFESSIONALS

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PEARLAND REGIONAL AIRPORT  
(281) 992-3484

RANDY WAHLBERG  
A&P 3563642



DATE

TACH OR  
RECORDING  
METER  
TIME

DESCRIPTION OF WORK PERFORMED –  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

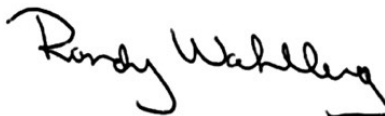
07/01/21 N1953G Cessna C421B S/N 421B0852 Continental GTSIO-520-H2 S/N 817630 -R Hobbs 4135.3  
Right Engine Logbook TTE 1427.9 SMOH 87.3

Comply with 100/Hour Annual inspection per scope and details of FAR 43 Appendix D. Change oil and filter. Drain oil. Add 13 quarts of Aeroshell W 100. Install Champion CH48111-1 filter. Previous filter cut with no defects noted. Compressions checked: #1- 70/80 #2- 62/80 #3- 72/80 #4- 70/80 #5- 71/80 #6- 66/80. Check mags for condition and proper timing. Inspect and test spark plugs for condition. Inspect exhaust for condition by checking slip joints and attaching hardware. Inspect turbo and wastegate for condition. Lube wastegate valve. Check V-clamps for condition and proper torque. Check spar carry thru for condition (complies with AD 2000-01-16). Lube engine controls. Engine ground run with operations normal and no leaks noted. Corrective Actions Taken: #1- Replace air induction filter (BA-13). #2- Tighten rocker cover screws. #3- Secure oil lines. #4- Secure ignition leads, rear of engine. AD's checked thru this date and complied with as noted. I certify that this Engine has been inspected in accordance with a 100 Hour/Annual inspection and was determined to be in an Airworthy condition on this date.

AIR PROFESSIONALS

PEARLAND REGIONAL AIRPORT  
(281) 992-3484

RANDY WAHLBERG  
A&P 3563642IA



RIGHT ENGINE LOG ENTRY

Mesquite Aircraft Sales & Services 1350 Airport Blvd. Mesquite, Texas 75181

REGISTRATION: N1953G AFSN: 421B-0852 DATE: 03-24-2022 Hobbs: 4152.9

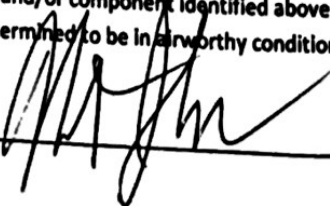
ENG MANUF: CONTINENTAL ENG MODEL: GTSIO-520-H2 ENG S/N: 817630-R TTSN: 1445.5 TSO: 104.9

- Removed Right engine cowling as required. Performed Right engine compressions and recorded the following # 1) 70/80 # 2) 69/80 # 3) 70/80 # 4) 69/80 # 5) 72/80 # 6) 66/80. Reinstalled Right engine cowlings and secured.
- Drained Right engine oil and removed oil filter. Cut open and inspected filter, no discrepancies noted. Installed new CH48111 Filter and safetied. Serviced engine with 13 quarts of Aeroshell W 100. Pre-oiled IAW Ram Aircraft instructions. Ground ran for leaks, no leaks noted.
- Obtained engine oil samples from the left and right engines and shipped to lab for analysis, Mr. Dexter Tuttle (owner) and Mesquite Aircraft Sales and Services will be notified via email of test results.
- Complied with AD 2000-01-16 by performing the inspections required in paragraphs (b) of this AD on the left engine exhaust systems. No discrepancies found at this time. Paragraph (b) due again in 50 hours (4202.9 HM) or 30 days (06-24-2022) whichever occurs first.

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; March 24, 2022

Signed



Martin J. Sisk A&P 2820585









