

N521RM

1977 Cessna 421C

LH Engine

Logbook

SMOH | #1 of 2

2012 - 2019

MSN: 421C-0335



RidgeAire
WORLDWIDE
aviation specialists

Prepared by the worldwide aviation specialists at RidgeAire, Inc.



ENGINE MAINTENANCE RECORDS

Aircraft Registration N521RM
Engine Position Left
Engine Serial No. 277155-R



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. _____

Engine Manufacturer Continental

Model GT810-520-L

Serial No. 277155-R

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 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 & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
3/2/12	4851.9	0.0	



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL GTSIO-520-L Left Engine S/N 277155-R

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/TCM SM X-30045A. 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. K dated 2-08-2010. Above referenced engine modified per STC SE8338SW-D. Installed new Continental camshaft p/n 653056, B/N: 104552. Installed lifters p/n 658088 int. p/n 658077 exh. AD 10-11-04 n/a to lifter p/n installed. Installed new VAR crankshaft p/n 653020, s/n N06HA021. Ultrasonic inspection per MSB96-10A, due at next overhaul or when removed. AD 99-19-01 n/a per crankshaft date of manufacture I/A/W TCM MSB99-6A. Engine assembled with overhauled Continental heavy style crankcase p/n 654119-12, s/n K219601R. Installed new Continental nicked cylinders. Cylinder hold-down nuts replaced and torqued per Overhaul Manual Supplement. Installed new RAM/FAA/PMA fuel nozzles p/n 2563-19A. TCM Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. Installed new oil cooler p/n 8000464, s/n 3859194. Engine accessories exchanged for overhauled or new units with exception of tach generator, vacuum pump, prop governor and hydraulic pump which were not installed per this work order. Bendix type magnetos installed per STC SE4591SW-D and pressurized. C/W TCM CSB 04-5A per Capacitor replacement at overhaul. CSB02-8 N/A per capacitor with red insulator installed. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. Engine modified to GTSIO-520-L per Continental Service Bulletin M-75-6 Rev. 1. Installed rocker arms p/n 1654-1 and -2. Starter adapter shaftgear and crankshaft gear inspection, AD 2007-05-15 c/w per TCM Service Bulletin MSB94-4G per installation of Service Kit EQ6642 with bushing p/n 654472. Category 1 thru 3 TCM 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. Above referenced engine eligible for 1600 hr. TBO per TCM SIL98-9 Rev. A. 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 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. 6056.

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

N521RM	4-2-2012	HM: 151.9	TMOH: 00.0
<p>Installed overhauled engine in left position. Overhauled engine supplied by RAM Aircraft PO# 9596/ Inv# 6056. s/n on 277155.R. Installed turbocharger, wastegate, wastegate/turbo controller, throttle control assembly, intercooler, starter, alternator, pop-off valve, rod & link assembly, pressurized magnetos; all units overhauled and supplied by RAM under same PO and invoice. Removed and replaced 4 engine mounts, all new teflon hoses for fuel, oil and hydraulics forward of firewall; supplied by RAM under same PO and invoice. Re-installed propeller. Reinstalled prop deice equipment. Reinstalled overhauled prop governor; overhauled by Rocky Mountain Aircraft Accessories, WO/Invoice # 4689. Installed new exhaust assembly less manifold. Installed overhauled manifold; overhauled by Knisley Welding WO# 141079. Reinstalled CHT and EGT probes and harness on engine. Re-installed fuel flow transducer. Installed new vacuum and breather hoses. Rigged engine controls. Test run engine and check fuel flow parameters. Adjusted prop governor for RPM. Performed 100 hour inspection on left engine. Engine OK for return to service.</p>			
<p>William Zempel A&P 3092523</p>			

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
				TOTALS brought forward from previous page

N521RM, Date: 6-20-12, Tach: 190.5 Lt.
 Changed oil and filter and serviced with 20W50 Phillips oil.
 Ground run and leak checked good.

Ronald Dobbs
Ronald Dobbs
 A&P3506064

N521RM Left Engine 11-6-2012 HM: 236.7
 Changed oil and filter. Serviced with 11 quarts Phillips 20w50 oil. Leak checks OK
 Complied with AD2000-01-16 Exhaust System Inspection, para (b); checks OK

OIL SAMPLE TAKEN

William Zempel
William Zempel A&P 3092523

N521RM 4-29-2013 Left Engine HM: 285.1 TSMOH: 133.2

This inspection performed in accordance with FAR 43 Appendix D
 Compressions: 78, 72, 74, 76, 74, 72/80
 Cleaned, gapped, inspected, tested and rotated sparkplugs.
 Changed oil and filter, serviced with 13 quarts Phillips X/C 20w50 oil. Oil sample taken.
 Removed and replaced tach generator, p/n p/n MS25038-2, s/n off 120677, s/n on AF55181425.
 Removed and reinstalled propeller after reseal by Aero Propeller and Accessories Inc.
 Complied with AD 2000-01-16 left exhaust inspection, paragraph (b), no discrepancies found.

I certify that this **Engine** has been inspected in accordance with an **Annual** inspection and has been determined to be in an airworthy condition.

William Zempel
William Zempel A&P 3092523 IA

N521RM 11-13-2013 HM: ~~322.4~~ ^{334.1} Left Engine

Changed oil and filter. Oil sample taken. Serviced with 11 quarts Phillips X/C 20w50 oil.
 Complied with AD2000-01-16 Exhaust System Inspection, paragraph (b); no discrepancies found.
 Complied with AD2007-05-15 Starter Backlash Inspection; no discrepancies found.
 Repaired left magneto #5 ignition lead at sparkplug end to remove split inner insulator.

William Zempel
William Zempel A&P 3092523

Mile High Aircraft Services LLC. 37625 Astra Wy Watkins CO, 80137 303-261-4111

N521RM 5-2-2014 HM: 376.2 TSMOH: 224.3 Left Engine

This inspection performed in accordance with FAR 43 Appendix D
 Compressions: 73, 74, 77, 75, 68, 70 /80
 Cleaned, gapped, inspected and rotated sparkplugs. Removed and replaced rear intercooler support bracket.
 Changed oil and filter. Serviced with 12 qts Phillips X/C 20w50. Collected oil sample and sent to Metal Check.
 Complied with AD2000-01-16 Exhaust System Inspection para (b); checks OK

I certify that this **Engine** has been inspected in accordance with an **Annual** inspection and has been determined to be in an airworthy condition.

William Zempel
William Zempel A&P 3092523 IA

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
	Mile High Aircraft Services LLC N521RM 9-19-2014	37625 Astra WY Watkins, CO HM: 421.6	KFTG 303-261-4111 Left Engine	<p>Performed oil and filter change. MetalCheck oil sample obtained. Serviced with 11 qts Phillips X/C20w50. Complied with AD 2000-01-16 para(b) Exhaust Inspection: visually checks OK. Complied with AD 2007-05-15 Starter Backlash Inspection: checks OK</p> <p><i>William Zempel</i> William Zempel A&P 3092523</p>
	Mile High Aircraft Services LLC N521RM 1-27-2015	37625 Astra WY Watkins, CO HM: 454.8	KFTG 303-261-4111 Left Engine	<p>Removed left engine tach generator. Removed MS25038-2, s/n 103746. Installed Globe tach generator p/n 22A667, s/n 7971. Ops checks OK. Negligible change to weight and balance.</p> <p><i>William Zempel</i> William Zempel A&P 3092523</p>
	Mile High Aircraft Services LLC N521RM 3-20-2015	37625 Astra WY Watkins, CO HM: 472.9	KFTG 303-261-4111 Left Engine	<p>Changed oil and filter. Serviced with 11 quarts Phillips X/C 20w50. Complied with AD 2000-01-16 Exhaust inspection para(b): no discrepancies found</p> <p><i>William Zempel</i> William Zempel A&P 3092523</p>
<p>→</p>	Mile High Aircraft Services LLC N521RM 8-18-2015	37625 Astra WY Watkins, CO HM: 520.4	KFTG 303-261-4111 Left Engine	<p>Changed oil and filter. Serviced with 11 quarts Phillips X/C 20w50. Collected oil sample for analysis. Repaired #6 left mag ignition lead by removing and reinstalling plug terminal and mag cap terminal fittings. Complied with AD2001-01-16 Exhaust System Inspection para (b): visually inspected OK, next due HM: 570.4 within limits. Next due HM: 620.4</p> <p><i>William Zempel</i> William Zempel A&P 3092523</p>
	Mile High Aircraft Services LLC. N521RM 4-29-2015	37625 Astra Wy Watkins CO, 80137 HM: 482.1 TSMOH: 330.2	303-261-4111 Left Engine	<p>This inspection performed in accordance with FAR 43 Appendix D Compressions: 69, 70, 67, 66, 56, 60 /80 checked with ETC E-2M compression test gauge. Cleaned, gapped, inspected and rotated sparkplugs. Adjusted left and right magnetos to spec. Adjusted throttle and mixture linkage to eliminate knob split. I certify that this Engine has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition.</p> <p><i>William Zempel</i> William Zempel A&P 3092523 IA</p>

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Mile High Aircraft Services LLC 37625 Astra WY Watkins, CO KFTG 303-261-4111
N521RM 8-18-2015 HM: 520.4 **Left Engine** K

Changed oil and filter. Serviced with 11 quarts Phillips X/C 20w50. Collected oil sample for analysis.
Repaired #6 left mag ignition lead by removing and reinstalling plug terminal and mag cap terminal fittings.
Complied with AD2001-01-16 Exhaust System Inspection para (b): visually inspected OK, next due HM: 570.4
Complied with AD2007-05-15 Starter Adapter Inspection para (i)(1): backlash measured approx 0.045", is
within limits. Next due HM: 620.4

William Zempel
William Zempel A&P 3092523

Mile High Aircraft Services LLC 37625 Astra WY Watkins, CO KFTG 303-261-4111
N521RM 9-16-2015 HM: ~~455.1~~ 544.1

Troubleshoot INOP left alternator. Determine bad alternator. Remove and replace alternator.
p/n ALV-9610 s/n H P030674. Operational and leak checks OK.

William Zempel
William Zempel A&P 3092523

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N521RM Continental GTSIO-520-L S/N: 277155-R Total Time: 5275.7

5 April 2016 Hobbs Meter: 575.7 SMOH: 423.8

100 Hour Inspection for Annual completed this date using the Cessna 421C Maintenance Manual Inspection Form as a guide. Compression test: #1) 64/80, #2) 66/80, #3) 70/80, #4) 70/80, #5) 68/80, #6) 65/80. Changed engine oil and filter using Phillips X/C 20W-50. Cut old filter open and inspected, no metal contaminates noted. Removed magnetos left p/n: S6LN-1251 s/n: F10JA214R and right p/n: S6LN-1255 s/n: F10KA075R for 500 hour magneto inspection. Installed new points, felt strips, brushes and felt washers in both magnetos, all other checks good. Set internal timing. Assembled with new pressurization gaskets. Installed magnetos on engine with new gaskets and set magneto to engine timing. Installed 12 new Tempest URHB32E spark plugs. Inspected ignition harness and leads for condition and security. Inspected fuel injection system for component condition and security. Removed #1 fuel injection nozzle, lapped as required to repair seating area. Leak check good. Inspected and cleaned fuel metering unit fuel inlet screen. Leak checked fuel system. Installed new upper forward baffle bracket, P/N: 5155173-2. Replaced vacuum pump drive seal. Cleaned and secured suction fitting on vacuum pump. Repaired right 'P' lead shielding ground wire. Inspected engine cooling baffles and seals for condition and security. Inspected engine air/oil separator and case breather line for condition and obstructions. Inspected engine fire extinguishing system for component condition and security. Changed fire bottle cartridge, next due April 2020. Inspected turbocharger and waste gate for condition and security and lubricated wastegate using Mouse Milk. Inspected alternate air system for component condition and security. Cleaned, inspected and reinstalled induction air filter. Inspected and lubricated throttle, mixture and propeller governor controls, travels and operational check good.


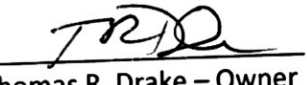
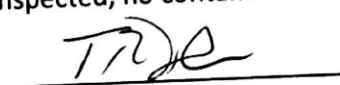
Complied with Cessna AD 2000-01-16 Exhaust Reliability effective 02-15-2000, by accomplishing Paragraphs (b) and (e). Next inspections due as follows:

- Paragraph (b): Visual Inspection due every 50 hours: Hobbs: 625.7
- Paragraph (c): Tail Pipe Inspection due: April 2017
- Paragraph (d): Visual Inspection of Beams and Bulkheads: Hobbs: 651.9
- Paragraph (e): Pressure Test Exhaust System every 12 months: April 2017
- Paragraph (f): Segmented Clamps Not Applicable
- Paragraph (g): Slip Joints and Aft Overhaul April 2024 or Hobbs: 2651.9

Complied with Continental AD 2007-05-15 Starter Adapter Assembly effective 04-16-2007, by performing Part 2 and 3 of TCM Service Bulletin No. MSB 94-4G. Installed rebuilt starter adapter kit P/N: R-EQ6642. Rebuilt by Continental Motors, Inc., CRS #PC #508, w/o# 493789, dated 01-13-2016. Next 100 hour inspection due at Hobbs: 675.7. Next 400 hour inspection due at Hobbs: 975.7. AD's checked through Biweekly 2016-07. Adjusted fuel flow to meet RAM specs. Post inspection ground run-up, operational, and leak checks good.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Eric R. Lundquist
Eric R. Lundquist A&P 3442975 w/o 36514

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
		N521RM		Date: July 5, 2016 Hobbs: 602.1 Changed Oil and Oil Filter this date. Drained Oil and Serviced with Tempest Oil Filter #AA48111, filled with 12qts Phillips XC 20W50 oil. Ran engine and leak checked. No leaks noted. Cut open oil filter and inspected, no contaminants noted.  Thomas R. Drake - Owner
		N521RM		Date: 11/1/16 11/1/16 (2) Hobbs: 630.1 Changed Oil and Oil Filter this date. Drained Oil and Serviced with Tempest Oil Filter #AA48111, filled with 12qts Phillips XC 20W50 oil. Ran engine and leak checked. No leaks noted. Cut open oil filter and inspected, no contaminants noted.  Thomas R. Drake - Owner
		N521RM		Date: 2/3/17 Hobbs: 650.2 Changed Oil and Oil Filter this date. Drained Oil and Serviced with Tempest Oil Filter #AA48111, filled with 12qts Phillips XC 20W50 oil. Ran engine and leak checked. No leaks noted. Cut open oil filter and inspected, no contaminants noted.  Thomas R. Drake - Owner

PEARCE AIRCRAFT SERVICES, INC.

MEADOW LAKE AIRPORT 8264 CESSNA DR PEYTON, CO 80831 719 683 3314

DATE	TYPE	SERIAL	HOBBS	TIS / TSOH	REGISTRATION	
02-11-2017	GTS	520-L	277155-R (LT)	650.2	5350.2/ 498.3	N521RM

I. Cleaned the fuel injectors and re-installed with new seals.

 Robert K. Taylor A&P 3786170

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FRONT RANGE PILOT SERVICES
35701 Cessna Way, Watkins CO 80137

Page

D

Registration: N521RM Continental GTSIO-520-L Serial# 277155-R Total Time: 5371.0
Date: 6/1/2017 Hobbs Meter: 671.0 SMOH: 519.1 (Left Engine)

100 Hour inspection for ANNUAL completed this date using the Cessna 421C Maintenance Manual Inspection Form and Ram Service Manual Supplement as a guide. Compression test: #1) 72/80, #2) 71/80, #3) 71/80, #4) 72/80, #5) 72/80, #6) 70/80. Inspected and cleaned fuel screen. Lubricated wastegate with mouse milk.

1. Replaced vacuum pump with overhauled PN 441CC SN# 320175, by airpower accessories w/o 008436 used compressed air to clean the pressure side of the line from the deice valve to the vacuum pump. Operational check normal.
2. Replaced vacuum pump cooling duct flange with new Ram PN 1199-14.
3. Replaced wastegate overflow to tailpipe exhaust clamp with NEW Ram PN 2266C050-240-M.
4. Complied with AD 2007-05-15 Starter Adapter Assembly, by performing Part 2 of TCM MSB 94-4H, Measurements are approximately .030, .040, .040, .040. NEXT DUE AT HOBBS: 771.0 - NEXT 400 HOUR INSPECTION (PART 3) DUE AT HOBBS: 975.7
5. Complied with Cessna AD 2000-01-16 effective 02-15-2000, by accomplishing paragraphs (b),(c), and (e) on left engine exhaust. NEXT DUE AS FOLLOWS:

Paragraph (b): Visual inspection due every 50 hours. Hobbs: 721
Paragraph (c): Tail pipe inspection due 5 years after overhaul and every 12 months thereafter. May 2018
Paragraph (d): Visual inspection of beams, bulkheads, and firewalls due every 500 hours: Hobbs: 1149.3
Paragraph (e): Pressure test Exhaust System every 12 months: May 2018
Paragraph (f): Segmented Clamps every 500 hours N/A

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Eldon Holtz
ELDON HOLTZ

A&P3617647-IA
Certificate Number

Registration: N521RM Continental GTSIO-520-L Serial# 277155-R Total Time: 5372.6
Date: 6/7/2017 Hobbs Meter: 672.6 SMOH: 520.7 (Left Engine)

Drained engine oil this date, replaced with 11 quarts Phillips X/C 20W-50. Removed old oil filter, replaced with new Tempest CH48111 filter. Cut old filter and examined, no contaminants noted. Checked for leaks after ground run, no leaks noted.

[Signature] CP2806257

Registration: N521RM Continental GTSIO-520-L Serial# 277155-R Total Time: 5390.6
Date: 8/24/17 Hobbs Meter: 1916.1 SMOH: 548.7 (Left Engine)

Drained engine oil this date, replaced with 11 quarts Phillips X/C 20W-50. Removed old oil filter, replaced with new Tempest CH48111 filter. Cut old filter and examined, no contaminants noted. Checked for leaks after ground run, no leaks noted.

[Signature] CP2806257

Registration: N521RM Continental GTSIO-520-L Serial# 277155-R Total Time: 5425
Date: 12/13/17 Hobbs Meter: 725.0 SMOH: 573.1 (Left Engine)

Drained engine oil this date, replaced with 11 quarts Phillips X/C 20W-50. Removed old oil filter, replaced with new Tempest CH48111 filter. Cut old filter and examined, no contaminants noted. Checked for leaks after ground run, no leaks noted.

[Signature] 2819189

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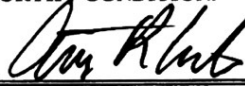
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

**N521RM (Left Engine Logs)
TCM GTSIO 520L S/N 277155-R**

Inspected engine per 100 hr. checklist meeting requirements of FAR 43 App. D. in conjunction with Annual Inspection on Cessna 421C s/n 421C0335 this date. Performed post inspection operational checks per FAR43.15 (c)
 Changed oil and filter (Phillips X/C 20W50) Cut, inspected oil filters. Took oil samples as necessary. (Preoiled engine prior to start)
 Compression: #1 74/80 #2 78/80 #3 786/80 #4 76/80 #5 75/80 #6 71/80
 Current Compression Requirements of CMI M-O Manual section 6-4.11.2.4 Diff. Press. Test (Master Orifice reading Minimum 46 PSI)
 Borescope insp. per CMI M-O Manual section 6-4.11.3.
 Replaced all spark plugs with new Champion RHB32E plugs. (per CMI M-O Manual section 6-4.9.2)
 CW Magneto timing per Continental M-O manual section 6-4.9.1 (superseded MSB94-8D) Magneto to Engine Timing (Continental)
 Cleaned and resealed injector nozzles per CMI M-O Manual section 6-4.17
 Replaced oil filler cap seal #535823. Replaced oil filler neck gasket. Replaced #4 cylinder push rod seal tube seals.
 Secured and repaired various wires in engine Cleaned and resealed several top spine bolts. Replaced TIT probe #2870.
 CW AD2007-05-15 eff. 4/16/2007(Supersedes 2005-20-04) (GTSIO520 only) (TCM MSB94-4F) Starter adapter reoccurring inspection
 (g) Unscheduled Inspection following engine rough-Running
 (h) 100 hr/ or annual Starter drive backlash inspection per MSB94-4F part 2 (max .06") (.040, .040, .040, .040)
 (Due again at Hobbs 854.8 or Jan 2020)

DATE 1/2/2019	HOBBS 754.8/ Acft TT 8698.5	ENGINE TT 5454.8	Eng. TSMOVH 602.9
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The engine identified was repaired and/or serviced in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.
"I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."


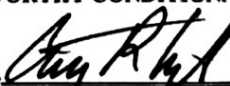
 Anthony R. Saxton AP32537461A 

**N521RM (Left Engine Logs)
TCM GTSIO 520L S/N 277155-R**

Inspected engine per 100 hr. checklist meeting requirements of FAR 43 App. D. in conjunction with Annual Inspection on Cessna 421C s/n 421C0335 this date. Performed post inspection operational checks per FAR43.15 (c)
 NO oil change (Preoiled engine prior to start)
 Compression: #1 73/80 #2 76/80 #3 76/80 #4 78/80 #5 78/80 #6 74/80
 Current Compression Requirements of CMI M-O Manual section 6-4.11.2.4 Diff. Press. Test (Master Orifice reading Minimum 46 PSI)
 Borescope insp. per CMI M-O Manual section 6-4.11.3.
 Cleaned engine and inspected for oil leaks and found no leaks of any significance.
 CW AD2007-05-15 eff. 4/16/2007(Supersedes 2005-20-04) (GTSIO520 only) (TCM MSB94-4F) Starter adapter reoccurring inspection
 (g) Unscheduled Inspection following engine rough-Running
 (h) 100 hr/ or annual Starter drive backlash inspection per MSB94-4F part 2 (max .06") (.030, .040, .040, .040)
 (Due again at Hobbs 858.7 or March 2020)

DATE 3/14/2019	HOBBS 758.7/ Acft TT 8702.4	ENGINE TT 5458.7	Eng. TSMOVH 606.8
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The engine identified was repaired and/or serviced in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.
"I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."

 Anthony R. Saxton AP32537461A 

Registration: N521RM Continental GTSIO-520-L Serial# 277155-R Total Time: 8723.2
 Date: 7/19/19 Hobbs Meter: TPLS SMOH: 627 (Left Engine)

Drained engine oil this date, replaced with 11 quarts Phillips X/C 20W-50. Removed old oil filter, replaced with new Tempest CH48111 filter. Cut id filter and examined, no contaminants noted. Checked for leaks after ground run, no leaks noted.

Thou Dale owner 2819189

SUB-TOTALS this page

TOTALS—Carry forward to next page

