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THE
adlogTM
**AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM**

**ENGINE
MAINTENANCE
RECORDS**

Aircraft Engine Test Verification


This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model GTSIO520D21B

Engine Serial Number 219477-R

Testing Completed

Standard Acceptance Test:

Date of Completion 9-1-99 Test Operator  _____

Applicable EVO's _____

Remarks: _____

Date: 033099
Engine Model BTS10520D21B Engine S/N 219477-R

Component Serial Numbers (As applicable)

CRANKSHAFT I209602N STARTER Q-019902

CRANKCASE B289903R ALTERNATOR N/A

DRIVE GEAR 2441V LT. TURBO AC019515

DRIVEN GEAR 1825 RT. TURBO N/A

LT. MAG C199903FR OVERBOOST N/A


RT. MAG C099917FR CONTROLLER BFO 29832

CARBURETOR N/A WASTEGATE N/A

FUEL PUMP A289907BR OIL COOLER J96-2615-3

MANIFOLD VALVE A289907CR NOZZLE SIZE D19A

METERING UNIT A289907AR

INSPECTOR  _____



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N712JW

Engine Manufacturer Continental

Model GTS10-520-D21B

Serial No. 219477-R

Date installed on aircraft 9-20-99

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

- Right Left
 Front Rear

AERO
TECH PUBLICATIONS INC.

PO BOX 1359 / SOUTHOLD, NY 11971-0965

(516) 765-9375

FAX: (516) 765-9359

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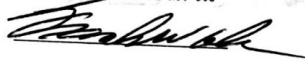
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

This engine model GTS10520D21B, Serial No. 219477-R, was rebuilt/zero timed on 04/03/99 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
M90-21	N/A	ULTRASONIC INSPECTION OF BARREL	MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION
M91-6	N/A	ULTRASONIC INSPECTION OF BARREL	CSB97-9	N/A	GTS10520 CRANKCASE INSPECTION
M91-7	N/A	ULTRASONIC INSPECTION OF BARREL	CSB9710A	97-21-02	PISTON PIN PLUG WEAR
N/A	91-19-03	OIL FILTER CHANGE			
MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE			
CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE			
N/A	94-14-12	N/A			
CSB94-4	N/A	INSTALLED NEW GEARS			
CSB94-15	N/A	CRANKCASE STUD INSPECTION			
CSB96-2	N/A	CRANKCASE OIL PASSAGE INSPECTION			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508



9-20-99	0	0	217.9
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Hobbs 217.9: Installed the following on N712JW, Cessna 421A S/N 421A-0128: Engine P/N GTSIO-521-D21B S/N 219477-R. Turbo P/N 406990-9004 S/N Aco19515 overhauled by Allied Signal on 3-20-97 work order 00101202. Wastegate P/N 470830-9010 S/N IDR0355 overhauled by Aircraft Accessories on 7-12-99 work order Ro4929. All flex hoses replaced with Teflon lines and integral fire sleeve. New exhaust assemblies: K5155156-205, K9910399-17, K9910379-15, K5155156-204, K9910314-1, K5155156-5, K5155156-3 using new hardware and springs P/N 1298119-4. Installed prop governor P/N 210595C S/N 918523D overhauled by Aero Propeller on May-30-99 work order 12643. C/W AD 72-2-1 prop torque. C/W AD 75-23-8 exhaust visual inspection. C/W AD 84-26-2 by new air filter installed. Serviced with 13 quarts aeroshell 100 mineral oil. Runup and leak check good. All work done in accordance with Cessna Service manual. I certify that this engine has been inspected in accordance with a 100hr inspection and has been determined to be in an airworthy condition at this time.

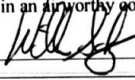
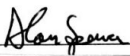
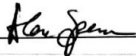

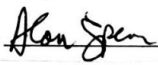
Alan Spencer A&P 5231412198 9-20-99

AERO PROPELLER & ACCESSORIES, INC.
#GQ6R570N,
MAY 30, 1999 WO #12643
WOODWARD GOVERNOR
MOD: 210595, S/N: 918523D
COMPLETE GOVERNOR OVERHAUL AND TEST PERFORMED IN ACCORDANCE WITH:
S.M.: 33002B
S.L.: AS APPLICABLE THRU WG62013
S.B.: AS APPLICABLE THRU 33598
RECOMMENDED TBO: AT ENGINE OVERHAUL

2464779 *Alan Spencer*

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SUB-TOTALS this page
TOTALS—Carry forward to next page

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
9-20-99	0	0	217.9	Hobbs 217.9 I certify that this Engine has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.  3875893661A
12-6-99	21.7	21.7	239.6	N712JW Hobbs= 239.6 Drained oil and changed filter. Serviced with 12 quarts Aeroshell 100 Mineral oil. Runup and leak check good. Alan Spencer A@P 523412198 
3-27-00	39.9	39.9	257.8	3-27-00 Hobbs Time= 257.8 Drained oil and changed filter. Serviced with 12 quarts Aeroshell 100w. Complied with AD 2000-1-16 by visual inspection per para b,d next due 307.8. Alan Spencer A&P 523412198 
7-25-00	83.1	83.1	301.0	7-25-2000 Drained oil and changed filter. Serviced with 12 quarts Aeroshell 100W oil. Complied with AD 72-2-1 by torque check. Complied with AD 2000-1-16 by visual insp. Run up and leak check good. Alan Spencer A&P 523412198 
9-2-00	95.1	95.1	313.0	9-2-00 Hobbs Time = 313.0 TSMOH = 95.1 Total Time = 95.1 Serviced and inspected engine in accordance with Cessna service manual. Cleaned and gapped spark plugs. Compressions as follows: #1 75/80 #2 77/80 #3 76/80 #4 76/80 #5 75/80 #6 76/80 I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition at this time. Alan Spencer 523412198 IA 

11-5-2000 Hobbs Time = 347.8 TSMOH = 129.9 Total Time = 129.9

Drained oil and changed filter. Serviced with 12 quarts Aeroshell 100w oil. Complied with AD 2000-1-16 par (b) by visual inspection, next due 397.8. Run up and leak check good.

Alan Spencer A&P 523412198 

4-7-2001 Hobbs Time = 397.2 TSMOH = 179.3 Total Time = 179.3

Drained oil and changed filter. Serviced with 11 quarts Aeroshell 100W oil. Runup and leak check good.

Alan Spencer A&P 523412198 

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TOTALS—Carry forward to next page

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

4-10-2001 Hobbs Time = 398.2 TSMOH = 180.3 Total Time = 180.3

Serviced and inspected engine in accordance with Cessna service manual. Cleaned and gapped spark plugs. Compressions as follows:

1	2	3	4	5	6
76	77	77	76	76	76
80	80	80	80	80	80

Complied with AD 200-1-16 par (b) by visual inspection, next due 448.2

I certify that this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Alan Spencer A&P 523412198

Alan Spencer

9-28-2001 Hobbs Time 435.3 Total Time 217.4 TSMOH 217.4

Serviced and inspected this engine in accordance with Cessna 421 service manual. Cleaned and gapped spark plugs.

Drained oil and changed filter. Serviced with 10 quarts Aeroshell 100W oil. Runup and leak check good. Compressions as follows:

1	2	3	4	5	6
79	79	78	78	79	78
80	80	80	80	80	80

Complied with AD 2000-1-16 par (b) by visual inspection, next due 485.0

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

Alan Spencer 523412198 IA

Alan Spencer

9-28-2001 Hobbs Time 435.3 Total Time 217.4 TSMOH 217.4

Replaced Multi segmented V Band clamps per AD 00-1-16 par (f), next due 935.3, 717.4 ~~TT~~

Alan Spencer A&P 523412198

Alan Spencer

8-17-2002 Hobbs Time 10.5 Total Time 257.0

Drained oil and changed filter. Serviced with 10 quarts Aeroshell 100W oil. Complied with AD 00-01-16 par b, next due 60.5

Alan Spencer A&P 523412198

Alan Spencer

TT = 256.6

8/17/2002

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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

10-31-2002 Hobbs Time 42.9 Total Time 289.0 TSMOH 289.0
 Serviced and inspected this engine in accordance with Cessna 421 service manual.
 Removed and replaced spark plugs. Installed 12 RHB32S fine wire plugs.
 Drained oil and changed filter. Serviced with 10 quarts Aeroshell 100W oil.
 Compressions as follows:

1	2	3	4	5	6
79	79	79	78	78	78
80	80	80	80	80	80

Complied with AD 00-01-16 par b by visual inspection, next due 92.9
 par c by removal and inspection, next due 10-2003
 par d by inspection, next due 542.9
 par e P/C/W 9-20-99 by new exhaust, next due 9-2004
 par f P/C/W 9-28-01 engine total time 217.4, next due 717.4
 par g P/C/W 9-20-99 engine total time 0.0, next due 2500.

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

Alan Spencer 523412198 IA Alan Spencer

10-31-2003 Hobbs Time 88.5 Total Time 334.6 TSMOH 334.6
 Serviced and inspected this engine in accordance with Cessna 421 service manual.
 Cleaned and gapped spark plugs.
 Drained oil and changed filter, serviced with 10 quarts Aeroshell 100W oil.
 Run up and leak check good. Compressions as follows:

1	2	3	4	5	6
78	79	78	77	76	78
80	80	80	80	80	80

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition at this time.

Wayne Diggs 458046805 IA Wayne Diggs

SUB-TOTALS this page

TOTALS—Carry forward to next page

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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11-3-2004 Hobbs Time 124.1 Total Time 370.2 TSMOH 370.2
 Serviced and inspected this engine in accordance with Cessna 421 service manual.
 Cleaned and gapped spark plugs.
 Drained oil and changed filter. Serviced with 11 quarts Aeroshell 100W oil.
 Complied with engine flex hose pressure test inspection.
 Run up and leak check good. Compressions as follows:

1	2	3	4	5	6
75	78	76	78	78	78
80	80	80	80	80	80

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition at this time.

Wayne Diggs 458046805 IA Wayne Diggs

5-16-2005 Hobbs Time 130.1 Total Time 376.2 TSMOH 376.2
 Complied with MSB 94-4E part 3 visual inspection, part 4 bushing installation. Part 2 next due 230.1 Reassembled and operational check good.

Alan Spencer A&P 523412198 Alan Spencer

11-05-2005 Hobbs Time 136.6 Total Time 382.7 TSMOH 382.7
 Serviced and inspected this engine in accordance with Cessna 421 service manual.
 Cleaned and gapped spark plugs. Run up and leak check good. Compressions as follows:

1	2	3	4	5	6
77	77	77	74	77	75
80	80	80	80	80	80

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition at this time.

Alan Spencer 5223412198 IA Alan Spencer

1-28-2006 Hobbs Time 166.0 Total Time 412.1 TSMOH 412.1
 Drained oil and changed filter. Serviced with 10 quarts Aeroshell 15W50 and 1 can AV Blend. Run up and leak check good.

Alan Spencer A&P 523412198 Alan Spencer

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TOTALS—Carry forward to next page

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																		
2-20-2006	Hobbs Time 217.2	Total Time 463.3	TSMOH 463.3	<p>Serviced and inspected this engine in accordance with Cessna 421 Service manual. Cleaned and gapped spark plugs. Drained oil and changed filter. Serviced with 11 quarts Aeroshell 15W50 oil. Run up and leak check good. Compressions as follows:</p> <table border="1" data-bbox="202 375 505 459"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>76</td><td>76</td><td>77</td><td>77</td><td>76</td><td>78</td></tr> <tr><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td></tr> </table> <p>Complied with AD 05-20-04 part 2, lash = .012, next due 317.2 I certify that this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.</p> <p>Alan Spencer A&P 523412198 <i>Alan Spencer</i></p>	1	2	3	4	5	6	76	76	77	77	76	78	80	80	80	80	80	80
1	2	3	4	5	6																	
76	76	77	77	76	78																	
80	80	80	80	80	80																	
5-31-2006	Hobbs Time 265.3	Total Time 511.4	TSMOH 511.4	<p>Drained oil and changed filter. Serviced with 11 quarts Aeroshell 100W oil. Run up and leak check good. Complied with AD 00-01-16 par b by visual inspection, next due 315.3.</p> <p>Alan Spencer A&P 523412198 <i>Alan Spencer</i></p>																		
11-10-06	N712JW Hobbs Time 309.8	Total Time 555.9	TSMOH 555.9	<p>Serviced and inspected this engine in accordance with Cessna 421A service manual. Cleaned and gapped the spark plugs. Drained oil and changed the filter. Serviced with 11 quarts Aeroshell 100W oil. Removed and replaced #1 cylinder valve cover gasket. Run up and leak check good. Compressions as follows:</p> <table border="1" data-bbox="165 943 661 1027"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>78</td><td>77</td><td>78</td><td>78</td><td>78</td><td>76</td></tr> <tr><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td></tr> </table> <p>Complied with AD 05-20-04 part 2, lash = .018, next due 409.8 I certify that this engine has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time. The engine identified above was repaired or inspected in accordance with the current maintenance rules of the Federal Aviation Regulation and is approved for return to service.</p> <p>Pertinent details of the repair are on file at this repair station under Work order number 2006-5 date</p> <p>Signed <i>Alan Spencer</i></p> <p>For Pro Av CRS 08VR723X 60298 Highway 50 hangar 8 Penrose, CO 81240</p>	1	2	3	4	5	6	78	77	78	78	78	76	80	80	80	80	80	80
1	2	3	4	5	6																	
78	77	78	78	78	76																	
80	80	80	80	80	80																	

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TOTALS—Carry forward to next page

NG WORK

5-1-2007 Hobbs Time 350.7 Total Time 596.8 TSMOH 596.8
Drained oil and changed filter. Serviced with 10 quarts Aeroshell 100W oil. Run up and leak check good.
Complied with AD 00-01-16 par b by visual inspection, next due 400.7
The engine identified above was repaired or inspected in accordance with the current maintenance rules of the Federal Aviation Regulation and is approved for return to service.

Pertinent details of the repair are on file at this repair station under Work order number 2007- 2 date 5-1-2007

Signed Alan Spencer

For Pro Av CRS 08VR723X
60298 Highway 50 hangar 8
Penrose, CO 81240

6-29-2007 Hobbs Time 377.1
Drained oil and serviced with 10 quarts Aeroshell 100W oil.
Complied with AD 00-01-16 par b by visual inspection, next due 327.1
Run up and leak check good.

Alan Spencer 523412198 IA Alan Spencer

9-20-2007 Hobbs Time 406.2 Total Time 652.3 TSMOH 652.3
Serviced and inspected this engine in accordance with Cessna 421 service manual. Cleaned and gapped the spark plugs. Drained the oil and changed the filter. Serviced the engine with 11 quarts Aeroshell 100W oil.
Run up and leak check good. Compressions as follows:

1	2	3	4	5	6
76	76	77	76	77	77
80	80	80	80	80	80

Complied with AD 07-05-15 part 3 by removal and inspection, next due 506.2
I certify that this engine has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.

Alan Spencer 523412198 IA Alan Spencer

4-11-2008 Hobbs Time 454.6 Total Time 3326.6 TSMOH 701.0
Drained oil and changed the filter. Serviced with 11 quarts Aeroshell 100W oil.
Complied with AD 00-01-16 Par b by visual inspection, next due 3376.6
Repaired oil leak at the oil cooler outlet fitting.
The engine identified above was repaired or inspected in accordance with the current maintenance rules of the Federal Aviation Regulation and is approved for return to service.

Pertinent details of the repair are on file at this repair station under Work order number 2008-1 date 4-11-2008

Signed Alan Spencer


For Pro Av CRS 08VR723X
60298 Highway 50 hangar 8
Penrose, CO 81240

9-29-2008 Tach Time 473.0 Total Time 719.1 TSMOH 719.1
Serviced and inspected this engine in accordance with Cessna 421 service manual.
Cleaned and gapped the spark plugs. Run up and leak check good. Compressions as follows:

1	2	3	4	5	6
76	76	77	76	76	76
80	80	80	80	80	80

Complied with AD 07-05-15 part 2, lash = **.020**, next due 573.0 or 9-2009

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

Alan Spencer 523412198 IA 

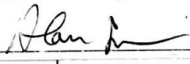
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PING WORK

12/22/2009 Hobbs Time 514.0 Total Time 760.1 TSMOH 760.1
Serviced and inspected this engine in accordance with Cessna 421 service manual.
Cleaned and gapped spark plugs. Drained the oil and changed the filter. Serviced with 11 quarts phillips 20W50xc oil. Run up and leak check good. Compressions as follows:

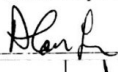
1	2	3	4	5	6
72	70	76	71	72	74
80	80	80	80	80	80

Complied with AD 07-05-15 part 2, lash = .025 next due 614.0, part 3 by removal and inspection, next due 914.0.

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


Alan Spencer 523412198 IA 

5-15-2010 Hobbs Time 22.5 total time 809.3
Drained oil and changed the filter. Serviced with 10 quarts Aeroshell 100W oil. Run up and leak check good.
Complied with 00-01-16 par b by visual inspection, next due 52.5

Alan Spencer A&P 523412198 

1/03/2011 Hobbs 59.9 TTE 846.7
Serviced and inspected this engine in accordance with the Cessna 421 service manual.
Checked compression and performed borescope inspection IAW TCM SB 03-3 and found satisfactory at this time. Oil & filter changed. Serviced with 13 quarts Aeroshell 15W-50.
Complied with AD 07-05-15 part 2, lash = .025" next due 159.9. Checked mag timing.

I certify this engine has been inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition this date and time.

Cormac C. Thompson, III A&P 533982177 IA 


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DATE **TCM GTSIO-520-D21B** s/n 219477-R Left Engine

August 12, 2011 Hobbs 100.4 TTE 887.2

Changed oil 12 quarts Aeroshell W100, changed oil filter AA48111. Open and inspected old oil filter, no contaminants found. Checked compressions #1-70/80, 2-70/80, 3-74/80, 4-74/80, 5-68/80, 6-74/80. CGR plugs. Compression check and borescope inspection accomplished in accordance with TCM SB03-3, all indications normal. Inspected exhaust system per AD 00-01-16 para b & e and found satisfactory. Sparkplugs installed with new M-674 gaskets. Run-up and leak check performed, no leaks noted. All operations normal.


Cormac C. Thompson, III A&P 3134821 IA 

TCM GTSIO-520-D(21)B s/n219477-R Left

February 02, 2012 Hobbs 132.0 TTE 918.4 TSMOH 918.4

Checked compressions and performed borescope inspection in accordance with TCM SB03-3. All results normal and satisfactory. Changed oil 11 qts Aeroshell 15W-50. Changed filter. Open and inspect old oil filter, no contaminants found. Checked timing IAW MSB94-8D. Clean, gap & rotate sparkplugs. CW AD *07-05-15 Part 2 Lash = .027", due next at Hobbs 232.0. Engine run and inspected for leaks, none found. All operations normal.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition this date and time. END

Cormac C. Thompson, III A&P 3134821 IA 

TCM GTSIO-520-D(21)B s/n219477-R Left

March 06, 2013 Hobbs 134.0 TTE 920.4 TSMOH 920.4

Checked compressions and performed borescope inspection in accordance with TCM SB03-3. All compressions and borescope results normal and satisfactory. Changed oil 11 qts Aeroshell 15W-50. Changed filter. Open and inspect old oil filter, no contaminants found. Performed OH of left mag s/n C199903FR and right mag C099917FR in accordance with CMI 1200 Series OH Manual X42001-2. Install and time mags to engine IAW MSB94-8D. CW AD *07-05-15 Part 2 Lash = .027". Engine test run and inspected for leaks, none found.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition this date and time. END

Cormac C. Thompson, III A&P 3134821 IA 

SUB-TOTALS this page

TOTALS—Carry forward to next page



No. _____

DATE

10/15/2014 | N712JW | GTSIO-520-D(21)B S/N: 219447

IK _____

Hobbs Time: 136.1 | TSMOH: 922.5 | TTE: 922.5 **Left engine**
Checked compressions and performed borescope inspection in accordance with TCM SB03-3. All results normal and satisfactory. Changed oil and filter and serviced engine with 11qts of Aeroshell 15W-50 oil. Cut filter element and inspected for particles of defect, none noted at this time. Checked magneto timing. Cleaned, inspected and gapped all plugs. Lubricated waste gate. Run up and leak check normal.
CW AD *07-05-15 part 2 Lash = .027", next due 236.1 or 12 calendar months.
I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date and time. *END*

Tom Allard A&P 3205666 IA 



2722 Perimeter Rd #110 North Las Vegas, NV. 89032 Phone: 702.636.6555 August 02, 2016
Reg: N712JW S/N: 421A0128 Hobbs: 165.5 AFTT: 3,578.0 Ref: WO: VGT-1596
Left Engine: GTSIO-520-D(21)B SN: 218447 ETT: 951.9 TSMOH: 951.9

Checked compressions and performed bore-scope inspection in accordance TCM SB03-3 no defects or anomalies noted. Compression were 1-70, 2-62, 3-60, 4-77, 5-62, and 6-67/80 hot. Changed oil and filter, inspection of filter element resulted in no anomalies. Installed filter PN: CH48111 and replenished oil with Aeroshell 100W. Checked magnetos timing, cleaned, inspected, gapped and tested all spark plugs. Accomplished AD 07-05-15 part 2 Lash = .027", next due at Hobbs time 365.5 or 09/2016. This engine is in compliance with all airworthiness Directives through Biweekly 2016-15.

I certify that this engine has been inspected in accordance with a 100 hour inspection checklist and was determined to be in an airworthy condition. The maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed above is airworthy and approved for return to service.


Glenn Austin IA3057240

08-B-17

Date: 08/13/2017

Hours: 952.4 SMOH

Tail: N712JW

Make: continental

Model: GTSIO-520D

Serial: 218447

Comments:

Drained oil& installed new champion 48111-1 oil filter, serviced with 13 quarts aeroshell 100/50 . Removed cleaned, and tested spark plugs, performed bore scope inspection per TCM SB03-3, no defects noted. Compression checked #1 72/80 #2 68/80 #3 65/80 #4 76/80 #5 66/80 #6 68/80, hot. mag timing checked satisfactory. Accomplished A.D 07-05-15 (2) lash .027 next due annual or hobbs 266.0. washed engine and lubricated engine controls.

" I certify that I have inspected this engine I.A.W an annual inspection checklist, and have determined it to be in airworthy condition at this time.

Name: Joseph F. Sheble III

Cert: 3165317 IA

Signature: 

TOTALS—Carry forward to next page

HORTON AVIATION SERVICES LLC
FAA CRS YHSR-284L
2732 PERIMETER ROAD, SUITE 101
N. LAS VEGAS NV 89032

N# N712JW MFG. CESSNA MODEL 421A S/N 421A0128
W.O.18-211 Date: 9/01/18 HOBBS: 227.6

LEFT ENGINE GTSTO-520-D(22)B S/N 219447 TSMOH: 1014.0

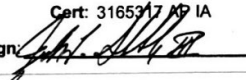
Compression check #1 65/80 #2 65/80 #3 68/80 #4 62/80 #5 65/80 #6 65/80. Changed oil with aeroshell W100 and CH48111-1, replaced induction filter, c/w AD 07-05-15. Test run and leak check normal. I certify that this engine has been inspected I/AW an annual inspection and found to be in an airworthy condition. **The aircraft and/or components above were repaired and inspected in accordance with Federal Aviation Regulations and are approved for return to service. Pertinent details are on file at this agency under above work order number. APPROVED FOR RETURN TO SERVICE**

Chris Sovo

DESCRIPTION OF WORK PERFORMED—
 NATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

ght forward from previous page

			<p>Date: 09-19-2019 Hours: 1091.6 SMOH Make: continental Model: GTSIO-520-D(22) Serial: 219447</p>
<p>09-19-2019 ANNUAL</p>			<p>305.2 hobbs Tail: N712JW left Serial: 219447</p>
			<p>Comments:</p> <p>Drained oil and serviced with 12 quarts aeroshell 100W/50, Installed new champion oil filter CH48111-1, Removed, cleaned, gapped, and tested spark plugs. mag timing checked satisfactory, compression checked #1 70/80 #2 65/80 #3 65/80 #4 70/80 #5 65/80 #6 70/80. C/W AD 07/05/15. see AD list for details. " I certify that I have inspected this engine I.A.W an annual inspection and was found to be in airworthy condition at this time."</p> <p>Name: Chris Sovo Cert: 454278047 IA</p> <p>Signature: <i>Chris Sovo</i></p>
<p>01-27-2021 ANNUAL</p>			<p>Date: 01-27-2021 Hours: 354.3 hobbs Make: Cessna Model: GTSIO-520-D (22) Serial: 219447</p> <p>Comments:</p> <p>Drained oil, and serviced with 12 quarts aeroshell 100w/50. Installed new champion 48-111-1 oil filter. Removed cleaned, gapped, and tested spark plugs. compression checked #1 72/80 #2 62/80 #3 68/80 #4 70/80 #5 65/80 #6 72/80. preasurized induction system and found #6 intake tube leaking due to chaffing, Replaced with new intake tube supplied by yingling aircraft. preasurized exhaust system and checked for leaks. none detected. Mag timing checked satisfactory. C/W A.D 07-05-15 by visual inspection and measurement. Next due at annual or 100 hours wich ever occurs first. Adjusted turbo charger waist gate to close all the way and lubricated with mouse milk. washed engine and lubricated engine controls. "I certify that I have inspected this engine I.A.W an annual inspection and was found to be in airworthy condition at this time.</p> <p>Name: Joseph F. Sheble III Cert: 31653171A</p> <p>Signature: <i>Joseph F. Sheble III</i></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
1209.2		IT EN		Date: 04/26/2022 Hours: 422.4 Hobbs 1208.8 SMOH left engine Tail#: N712JW Make: Textron (Cessna) Model: 421A S/N: 421A0128 Drained oil and installed new champion CH48111-1 oil filter. Serviced engine with 12 quarts phillips 20/50 XC, Removed upper spark plugs and cleaned gapped and tested. Compression checked as follows, #1 79/80 #2 79/80 #3 74/80 #4 74/80 #5 78/80 #6 80/80.
				Name: Joseph F Sheble III Cert: 3165317 AP IA Co: Northtown Aviation Sign: 
				SUB-TOTALS this page
				TOTALS—Carry forward to next page