

RIGHT

ENGINE

#2

55 WS

**ENGINE LOG**  
**EL-13P**



## ENGINE DESCRIPTION

1455WS

RIGHT  
ENGINE

MANUFACTURER Continental MODEL GTSIO 520-L (4)

SERIAL NUMBER 272396-R DATE OF MANUFACTURE \_\_\_\_\_

RATED BHP \_\_\_\_\_ RPM \_\_\_\_\_ MANIFOLD PRESSURE \_\_\_\_\_

FUEL REQUIRED OCTANE/PERFORMANCE \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

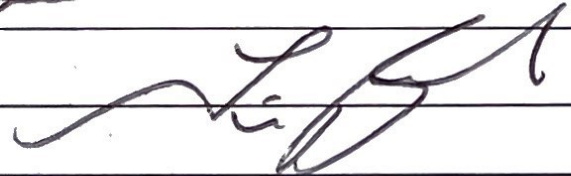
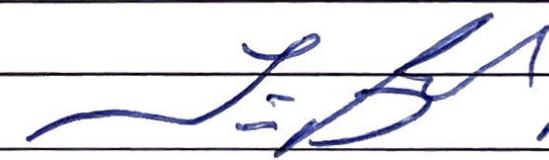

CITY, STATE, ZIP \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

## INSPECTION &amp; MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7-9-96	HOBBS 3108.7	ON THIS DATE REMOVED & REPLACED EXHAUST TAILPIPE SECURING BRACKET WITH P/N 5155162-1, AND TAILPIPE CLAMP P/N V84C450SS AND SAFETY TIED. ENGINE OK FOR RETURN TO SERVICE. END
		 ADP 316969804
8/12/96	HOBBS 3130.3	ON THIS DATE, INSPECTED EXHAUST AS PER AD 75-23-08. INSPECTION DUE AGAIN AT 3180.3, OK FOR RETURN TO SERVICE, END
		 ADP 316969804
8-14-96	3130.3	Changed Oil Serviced with new shell 100W Installed new oil filter <sup>C448111</sup> Run up & Checked for leaks "OK"
		 ADP 1550488



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

11-1-96

3203.0

Completed Inspection of Engine Complied with  
AD-15-23-08 Exh System Changed Oil with  
Aero Shell 100 w Installed New 2443011 Oil  
filter Cleaned & Checked Spark Plugs, Comp Check  
"OK" Cleared Quiso.

I certify that this

Engine has been  
inspected in accordance  
with an 100hr Annual  
inspection and was  
determined to be in an  
Airworthy Condition

ACT Time 3203.0

Name Donald D. Martin

No 46155078514

NOV 17, 1997

H0865 3253.2 Act# 4303.8 ~~Engine~~ changed oil  
and filter, filter cut and checked for metal none found.  
Refilled engine w/ 12 Qts AeroShell 15W-50 Run up and Vack  
checked OK. 7.4 Mestie AFA 289-74708 END



TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

HAP'S

DATE: 6-2-98  
TSMOH: 1251.0

N55WS  
HOBBS: 3254.2

### RIGHT ENGINE LOG

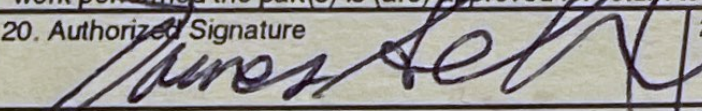
COMPRESSION CHECK: #1 62/80, #2 60/80, #3 50/80, #4 57/80, #5 63/80 & #6 62/80. COMPLIED WITH A.D. 75-23-08R5 BY INSPECTION & REPLACING ALL BALL JOINT SPRINGS, BOLTS & NUTS. NEXT DUE AT 3304.2 HOBBS. INSPECTED, CLEANED, REGAPPED & REINSTALLED SPARK PLUGS. CLEANED & REINSTALLED FUEL INJECTOR NOZZLES. CHECKED MAG TO ENGINE TIMING, FOUND OKAY. WASHED & RAN ENGINE, NO LEAKS NOTED. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 43, APPENDIX "D" AN ANNUAL INSPECTION & WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

  
JEFFREY W. BURNS

HAP'S AERIAL ENTERPRISES, INC.  
7001 AIRPORT DRIVE SELLERSBURG, IN 47172

AP307743335IA



1. <b>U.S.A..</b>		2. <b>FAA FORM 8130-3</b> AIR WORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration		3. System Tracking Ret. No. <b>4059</b>	
4. Organization <b>Modified Aircraft Accessories Inc.</b> <b>800 Brooks Forrest Road</b> <b>Brooks, KY 40109</b> <b>CRS.#MO6R900J</b>				5. Work Order, Contract, or Invoice Number: <b>4059</b>	
6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number
1	<b>Teledyne Starter</b>	<b>646275</b>	<b>V</b>	<b>1</b>	<b>K40197658</b>
12. Status/Work <b>NEWLY OHC</b>					
13. Remarks <b>SEE WORK ORDER / NEWLY OVERHAULED &amp; CERTIFIED</b>					
<i>Limited Life parts must be accompanied by maintenance history including total time/total cycles since new.</i>					
14. <input type="checkbox"/> New <input checked="" type="checkbox"/> <b>Newly Overhauled</b> Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. NOTE: In case of parts to exported, the special requirements of the importing country have been met.			19. Return to Service in Accordance with FAR 43.9 Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA Airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.		
15. Signature		16. FAA Authorization No.	20. Authorized Signature 		21. Certificate Number: <b>MO6R900J</b>
17. Name (Typed or Printed)		18. Date	22. Name (Typed or Printed): <b>JAMES SCHREINER</b>		23. Date <b>12-01-99</b>

FAA Form 8130-3 (11-93)

\*(Optional) Installer must cross check eligibility with applicable technical data.



# INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

I certify this engine has been  
inspected in accordance with  
FAR 43 App D and manual inspd  
and was determined to be in airworthy  
condition CR 75-23-0825  
John Hove RP4464P1551TH

12-01-99

Removed & Replaced Right Eng Starter  
Pls off 646275 S/N off P119204  
Pls on 646275 S/N on K40197658

John Hove RP446481551



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12-03-99	3375.0	Removed & Replaced R/V Vacuum Pump Ibw MRP Part off P/N 3P207JA 3/n 6157 Part on 3P207JA 3/n 4858 John Nove AP446481551
12-03-99	3375.0	R/R Spark Plugs
End Time	1397.4	John Nove AP446481551



## INSPECTION & MAINTENANCE RECORD

[illegible]



# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

3409.0

*Rt Eng*

A/C REG.#

DATE

*MAY 15, 00*

1399.6

TOTAL A/C TIME *1399.6* HRS.

TACH TIME

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN  
ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR  
INSPECTION AS PER *APP 1201* AND WAS  
DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SIGNATURE

CERTIFICATE NO /TYPE

*AS 2000-01-16 C/w by visual means*



## INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

[illegible][illegible]

Date	Rt. Eng.	TIS	TSO
Mar 01, 2001	272396	3461.0	1451.6

Changed oil and filter, cleaned plugs, replaced both mags, adjusted fuel flow regulator, checked compression and all cylinders were above 70/80 psi except #3 cylinder. Removed and replaced #3 cylinder due to low compression.

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

John Howe

A&P 446 48 1551 IA



1.	<b>United States</b>		2.	<b>FAA FOR AIRWORTHINESS</b> U.S. Department of Transportation Federal Aviation Administration	
4. Organization APPROVED TURBO COMPONENTS, INC. 1545 E. ACEQUIA AVE. VISALIA, CA 93292				FAA APPROVED NO. 07 (800)52	
6. Item	7.	8. Description	9. Part Number	9. VAR	
1		GARRETT TURBOCHARGER	465930-9003		
13. Remarks Work order number 21233 prescribing the actual work performed is attached The prescribed work was performed in accordance with FAA approved data Alternate approved part number 641672-3 <b>INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE DATA</b> <i>Limited life parts must be accompanied by maintenance history including total time/total cycles</i>					
14. New <input type="checkbox"/> Newly Overhauled <input type="checkbox"/> Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.					
Note: In case of parts to be exported, the special requirements of the importing country have been met.					
15. Signature				16. FAA Authorization No.:	
17. Name (Typed or Printed)				18. Date:	
* (Optional) Installer must cross check eligibility with applicable technical data.					

**Airworthiness**  
 User/Installer must not automatically assume that the existence of this document alone does not automatically constitute an Airworthiness Authority. Where the user/Installer work in accordance with the national regulations/assemblies of an Airworthiness Authority differ from the Airworthiness Authority, the user/Installer must ensure that this Airworthiness Authority records must contain an installation certification issued in accordance with the applicable technical data. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the applicable technical data.



INSPECTION

INSPECTION OR MAINTENANCE  
AGENCY & CERTIFICATE

DATE

TOTAL  
TIME

10/05/01 1473.1

REMOVED + REPLACED RT ENG TURBO  
1AW C-421C MM CAP 7-41 Pg 1  
SW OFF VB-L0106  
SW ON RCR0111R  
RD 2000-01-16 C/W BY VISUAL INSP  
OPS CHECKED NORMAL ON GROUND RUN

John Howe  
1347 446 481551



## INSPECTION &amp; MAINTENANCE

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

Date	Rt. Eng.	TIS	TSO
Mar 16, 2002	272396	3492.8	1483.4

Changed oil and filter, cleaned plugs, checked both mags, adjusted fuel flow regulator, checked compression and all cylinders were above 70/80 psi.

I certify that this engine has been inspected in accordance with an *100-hr* inspection and was determined to be in airworthy condition.



John Howe

A&P 446 48 1551 IA



# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
06/22/02	3500.0	AD 2000-01-16 C/w By Visual insp John Howe ADP446481551

12/16/02 3511.0 Changed oil And Filter. Installed  
M4411 oil Filter And Services  
with 12 Qt. of AeroSax 100w.  
C/w AD 2000-01-16 By Visual  
inspection.

John Howe  
ADP446481551

## INSPECTION & MAINTENANCE RECORD

DATE		TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE
MAY 11 2003			TT 3516.4 TSMO 1507	1 June 04
			<p>Check W/Ag timing And Servicing Plugs</p> <p>Checked And Cleaned Fuel Screens</p> <p>Check Compression (Hot Engine)</p> <p>#1 21/80 #2 20/80 #3 24/80 #4 68/80 #5 29/80 #6 29/80</p> <p>C/W AD 00-01-06</p>	
			<p>A/C RL. <u>W/55103</u></p> <p>TOTAL A/C Time <u>3516.4</u> HRS. TACT TIME _____</p> <p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN          ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL / 100 HR          INSPECTION AS PER <u>171.17</u> AND WAS          DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><u>[Signature]</u> AP 2758267</p> <p>SIGNATURE CERTIFICATE NO / TYPE</p>	



## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
1 June 04		TTWS 3525.0 TSMD 1515.6
		Check Mag Timing, Cleaned & Serviced Plugs Checked Compression 70/80 71/80 79/80 69/80 70/80 70/80 Visual inspection Exhaust in Compliance with AD 00-01-06 AD Checked THRU May 2004.
		<div style="text-align: center;"> <p>1055WS</p> <p>DATE _____</p> <p>TOTAL A/C TIME _____ HRS TACH TIME _____</p> <p>Eng</p> <p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>MM</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><u>[Signature]</u> 2758067 SIGNATURE CERTIFICATE NO /TYPE</p> </div>

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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N-55WS  
Right Engine

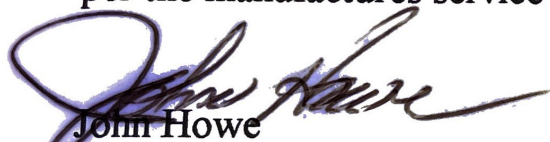
Date: June 9, 2005

TSMO: 1526.1

Hobbs: 3525.5

Changed oil and filter and serviced with 12gts of Aeroshell 100W. Removed, cleaned, and rotated spark plugs. Checked ignition system and Mag timing. Inspected turbo charger and checked exhaust system. Checked engine compression, #(1) 68/80, (2) 71/80, (3) 75/80, (4) 68/80, (5) 70/80, (6) 70/80. AD's checked thru 2005-11.

I certify that this aircraft has been inspected in accordance with an 100hr inspection as per the manufactures service manual and was determined to be in an airworthy condition.

  
John Howe  
2758267 IA

Feb 1,  
Right I  
Chang  
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Joh  
27



Feb 1, 2007 N-55WS

Hobbs Time 3525.5

TSMO 1526.1

Right Engine

Changed oil and filter, filter cut and inspected for metal contamination and non was found. Serviced engine with AeroShell 100W oil. Compression test completed and all cylinders read (#1 76/80, #2 72/80, #3 70/80, #4 70/80, #5 72/80, #6 70/80). Test taken on hot cylinders. Removed, cleaned, and rotated spark plugs. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Installed new fuel flow sensor and ops checked. Cleaned air filter and serviced fuel screen.

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

  
John Howe

2758267IA


# INSPECTION & MAINTENANCE RECORD

DAT

Feb 8, 2008      N-55WS      Hobbs Time 3554.4      TSMO 1555.0

## Right Engine

Oil and filter not changed is inspection due to low flight time since last oil change. Serviced engine with AeroShell 100W oil. Compression test completed and all cylinders read (#1 76/80, #2 72/80, #3 70/80, #4 70/80, #5 72/80, #6 70/80). Test taken on hot cylinders. Removed, cleaned, and rotated spark plugs. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Installed new fuel flow sensor and ops checked. Cleaned air filter and serviced fuel screen.

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

  
John Howe

2758267IA



# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

Feb 9, 2009

N-55WS

Hobbs Time 3555.7

TSMO 1556.7

Right Engine

Changed oil and filter, serviced with 12qts of Aeroshell 15/50. System leak checked on engine run. Compression test completed and all cylinders read (#1 76/80, #2 72/80, #3 70/80, #4 70/80, #5 72/80, #6 70/80). Test taken on hot cylinders. Removed, cleaned, and rotated spark plugs. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Installed new fuel flow sensor and ops checked. Cleaned air filter and serviced fuel screen.

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

  
John Howe  
2758267IA

# INSPECTION & MAINTENANCE RECORD

DATE

March 12, 2010      N-55WS      Hobbs Time 3560.5      TSMO 1561.5

## Right Engine

Changed oil and filter, serviced with 12qts of Aeroshell 15/50. System leak checked on engine run. Compression test completed and all cylinders read (#1 76/80, #2 72/80, #3 70/80, #4 70/80, #5 72/80, #6 70/80). Test taken on hot cylinders. Removed, cleaned, and rotated spark plugs. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Installed new fuel flow sensor and ops checked. Cleaned air filter and serviced fuel screen.

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

  
John Howe

2758267IA



# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

Feb 05, 2011

N-55WS

Total Time 5815.3 Hobbs 3561.3

## Airframe

The annual inspection was preformed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed, repacked, and replaced all seals in Right main landing gear. Checked ELT (Batt change due June 2011). Preformed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Cleaned and resurfaced deice boots and system checked of proper operation. AD's checked thru 2011-3, see supplied list that pertains to this aircraft.

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

John Howe  
2758267IA

ENTERED in WORK BOOK

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

Feb. 05, 2011

N-55WS

Hobbs Time 3561.3

TSMO 1561.9

## Right Engine

Changed oil and filter, serviced with 12qts of Aeroshell 15/50. System leak checked on engine run. Compression test completed and all cylinders read (#1 70/80, #2 72/80, #3 70/80, #4 70/80, #5 68/80, #6 70/80). Test taken on cold cylinders. Removed and replaced #5 Cylinder with a reconditioned unit. Removed, cleaned, and rotated spark plugs. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Cleaned air filter and serviced fuel screen.

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

  
John Howe

2758267IA



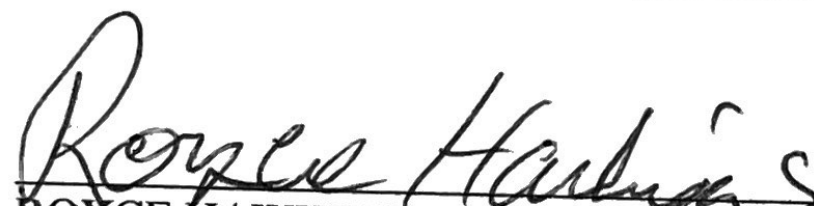
DATE 03/22/2012

Hobbs 3578.1

TSMOH 0

This Continental engine Model GTSIO-520-L S/N 272396-R had a major overhaul on this date in accordance with Continental Overhaul Manual P/N X-30045A. The engine was disassembled, cleaned, and visually inspected. The following items were sent out for inspection, certification, and/or overhaul. The crankshaft, camshaft, connecting rods, all internal steel, oil cooler, and crankcase. Cylinders were overhauled in cerminil with all new parts. See yellow tags on all certified items. The engine was reassembled with new main and rod bearings, rod bolts and nuts, crankshaft and camshaft gear bolts, all internal hardware, all locking tabs and washers, magneto drive cushions, spark plugs, ignition harness, oil pressure relief spring, lifters, gaskets and seals. Installed new air filter, lord mounts, and engine mounting bolts. The following accessories were sent out for overhaul and certification Magneto P/N BL-349260-7 S/N J780006FR and P/N BL-349220-4 S/N 11100271FR. Turbo controller P/N 470836-9003 S/N TKR012NP, Alternator S/N A2992220, Fuel System was overhauled. Installed serviceable oil pump housing. See yellow tags on all overhauled or serviceable items. The exhaust system was overhauled in accordance with A.D. 2000-01-16 see 8130-3 forms for details. Next compliance time is 50 hours. All Airworthiness Directives were complied with see attached list. The engine was serviced with 12 quarts of Aeroshell straight mineral oil and ground ran. No leaks were detected and all indications were normal. Removed starter P/N 646275 S/N X40197658. Installed serviceable starter P/N 646275-1 S/N A130412.

END.

  
ROYCE HAWKINS A&P 463537829

DEVINE AIR INC.

# INSPECTION & MAINTENANCE RECORD

DATE

INSPECTION OR MAINTENANCE PERFORMED

May 8, 2012

N-55WS

Hobbs Time 3583.3

TSMO 5.2

Right Engine

Removed, cut and inspected oil screen after engine break-in. No abnormally noted. Engine visually inspected and no defect noted. For this inspection engine under warranty by Devine Aircraft.

I certify this engine has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition.

*Ralph Sinclair*

Ralph Sinclair

AP 3414-84 1A

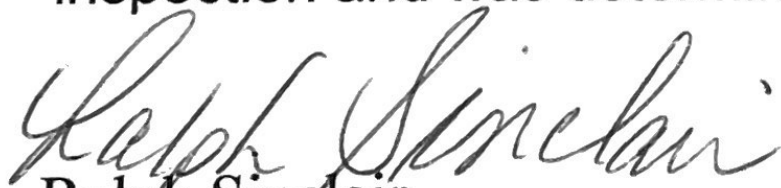


DATE

TOTAL  
TIMEINSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.**Feb. 5, 2014**  
**Right Engine****N-55WS****Hobbs Time 3608.7****TSMO 30.6**

Changed oil and filter, serviced with 12qts of Aeroshell 100. System leak checked on engine run. Compression test completed and all cylinders read (#1 72/80, #2 71/80, #3 75/80, #4 70/80, #5 70/80, #6 72/80). Test taken on cold cylinders. Removed, cleaned, and rotated spark plugs. Inspected turbo housing and compressor blades for damage. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Checked air filter and serviced fuel screen. AD's checked thru 2013-23, see supplied list that pertains to this aircraft.

I certify this engine has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition.



Ralph Sinclair

AP 3414784 IA

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**Dec 30, 2014**

**N-55WS**

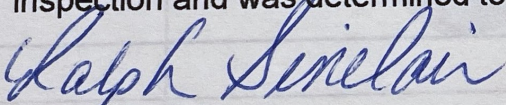
**Hobbs Time 3632.9**

**TSMO 54.8**

**Right Engine**

Changed oil and filter, serviced with 12qts of Aeroshell 100. System leak checked on engine run. Compression test completed and all cylinders read (#1 72/80, #2 71/80, #3 75/80, #4 70/80, #5 70/80, #6 72/80). Test taken on cold cylinders. Removed, cleaned, and rotated spark plugs. Inspected turbo housing and compressor blades for damage. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Checked air filter and serviced fuel screen. AD's checked thru 2014-25, see supplied list that pertains to this aircraft.

I certify this engine has been inspected in accordance with an **100hr** inspection and was determined to be in an airworthy condition.



Ralph Sinclair

AP 3414784 IA



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

Aug 17, 2015

N-55WS

Hobbs Time 3721.3 TSMO 143.2

Right Engine

Changed oil and filter, serviced with 12qts of Aeroshell 100 Mineral oil. System leak checked on engine run. Removed and replaced #1 and #3 cylinders due to low compression and cracks in head. All work completed IAW the TCM service manual.

Engine returned to service

  
John Howe

AP3793599

# INSPECTION & MAINTENANCE RECORD

DATE

Dec 17, 2015

N-55WS

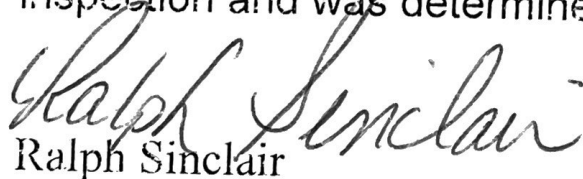
Hobbs Time 3743.2

TSMO 164.8

Right Engine

Changed oil and filter, serviced with 12qts of Aeroshell 100. System leak checked on engine run. Compression test completed and all cylinders read (#1 72/80, #2 71/80, #3 75/80, #4 70/80, #5 70/80, #6 72/80). Test taken on cold cylinders. Removed, cleaned, and rotated spark plugs. Inspected turbo housing and compressor blades for damage. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Checked air filter and serviced fuel screen. AD's checked thru 2015-24, see supplied list that pertains to this aircraft.

I certify this engine has been inspected in accordance with an 100hr inspection and was determined to be in an airworthy condition.



Ralph Sinclair

AP 3414784 IA



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

Feb. 17, 2016

N-55WS

Hobbs Time 3774.3 TSMO 196.2

## Right Engine

Changed oil and filter, serviced with 12qts of Aeroshell 100W. System leak checked on engine run. Engine returned to service.

John Howe

AIRQUEST AVIATION

**AirQuest Aviation**

485 Airport Road  
Butler, PA 16002

**AIRQUEST AVIATION**

INTELLIGENT PANEL  
360

Date: 4/15/2016; Aircraft: N55WS; Type: 421C; S/N: 421C0073  
Shop Order #: 16-2101

### RIGHT ENGINE:

- 1.) Replaced all push rod tube seals on #3 cylinder. All work accomplished IAW Continental Motors GTSIO-520 series Engine Overhaul Manual
- 2.) Set power and fuel setting on Right engine. Work done in accordance with Continental Motors SID 97-3G Revision G.
- 3.) Pressurized right engine induction system. Found leaks on all six induction tube couplings. Resecured all 6 right engine induction tube clamps. Work done in accordance with Cessna 421C Service Manual.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in Accordance with Current FAA Regulations and is Approved for Return to Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station.

Aircraft Hobbs time: 3780.5

Authorized Signature



Matt Steele, AirQuest Aviation CRS # Q3ER924K

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**Adaptive Aircraft Services**  
**606-499-3114**

**Middlesboro/Bell Airport 1A6**  
**Middlesboro, KY 40965**

DATE: 11/04/2017 Aircraft: N55WS CESSNA 421 C SER# 421C0073

**ENGINE: Right.** MFG: Continental Model: GTSIO-520-L serial # 272396-R

HOBBS: 3797.5 SMOH: 219.1 TTIS: 3797.1

DESCRIPTION: Completed inspection in accordance with Continental Motors section 5-20-03.

Compression test: 1) /72/80 2) 76/80 3) 70/80 4) 72/80 5) 65/80 6) 75/80

Removed and reinstalled #3 cylinder for Overhaul by Gibson Aviation. Cleaned and rotated plugs.

Changed oil and air filters, serviced with Aeroshell SAE 100 Aviation oil.

Engine Run-Up: ran engine, found no leaks and all operations normal.

See AD Listing for AD compliance.

I certify I have inspected this engine in accordance with a 100-hour inspection per Continental service manual and FAR 43 appendix D, found it airworthy at this time.

*Dawn E. Hayward*

... A&P 1887308

**Adaptive Aircraft Services**  
**606-499-3114**

**Middlesboro/Bell Airport 1A6**  
**Middlesboro, KY 40965**

DATE: 03/14/2020 Aircraft: N55WS CESSNA 421 C SER# 421C0073

**ENGINE: Right.** MFG: Continental Model: GTSIO-520-L Serial # 272396-R  
HOBBS: 3805.9 SMOH: 227.5 TTIS: 3805.9

DESCRIPTION: Completed inspection in accordance with Continental Motors section 5-20-03. Compression test: 1) /70/80 2) 74/80 3) 72/80 4) 70/80 5) 68/80 6) 75/80. Cleaned and rotated plugs. Changed oil and air filters, serviced with Aeroshell SAE 100 Aviation oil. Checked Mag Timing. Inspected Exhaust and Intake systems.

Engine Run-Up: ran engine, found no leaks and all operations normal.  
See AD Listing for AD compliance.

I certify I have inspected this engine in accordance with Annual inspection per Continental service manual and FAR 43 appendix D, found it airworthy at this time. *(Signature)*

David Hayward \_\_\_\_\_ *David Hayward* ... 1887308 A&P/IA

[illegible]



# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5/8/2024	Hobbs 3816.4	Routine Maint + Service Remove d mags for 500hr Insp. Reinstalled Mags P/N
SMOH	238.3	4H 10-349220-4 S/N K 031582, R/H 10-349260-7 S/N K 031446 after 500hr Insp By Aircraft Ign Services Timed to 24° BTC. Installed O.H.C Alternator Drive Coupling P/N 646655 Installed New RAM P/N 2563-19A fuel Injector Nozzles. Inspected Starter Adapter IAW. AD 2007-05-15 IAW Par.(i)(1), Part(2) of MSB 94-4G and Par.(i)(1) of MSB 94-4G. Measurements 1/.025 2/.020 3/.020 4/.025. Note Service Kit R-EQ6642 with Bushing 654472 Installed at overhaul 03/22/2012. Changed Engine oil + filter (Aerostek // w/100 plus, 2 cans Av Blend. Checked fuel pressures within limits. Installed New Foxpest

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
<u>                    </u>	<u>                    </u>	<p>URHB 325 Spark plugs. Checked Compression  <math>\frac{1}{76}</math> <math>\frac{2}{72}</math> <math>\frac{3}{78}</math> <math>\frac{4}{74}</math> <math>\frac{5}{62}</math> <math>\frac{6}{78}</math>. Engine  oil Pump primed. Engine Run up  ops check good. <i>[Signature]</i>  Date <u>5/8/2012</u> <i>[Signature]</i> A/P 3015776  I certify this <u>Engine</u> has been inspected  in accordance with an annual inspection  and was determined to be in airworthy  condition at this time.  Signed <i>[Signature]</i>  Sherman E. Powell III  3015776 IA</p>
<p>6/3/2012 3841.5  SMOH 263.0</p>		<p>Run time Maint. + Service Checked Timing 24002  Checked Compression <math>\frac{1}{72}</math> <math>\frac{2}{68}</math> <math>\frac{3}{73}</math> <math>\frac{4}{70}</math> <math>\frac{5}{56}</math> <math>\frac{6}{69}</math>  (Min for day 42) Corrected Misc Induction Leaks  Installed New Valve Cover Gasket # Cyl.  Changed oil Aeroshell W/100 Plus Added Cam  Guard. Checked fuel flow ID# Continental  Manual M-O Engine Runup + feather check</p>

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
→		Good. <i>SPB</i> <i>171P 3015-776</i>
		Date <u>6/3/2022</u>
		I certify this <u>Engine</u> has been inspected
		in accordance with an annual inspection
		and was determined to be in airworthy
		condition at this time.
		Signed <u><i>SPB</i></u>
		Sherman B. Powell III
		IA