N1649M

2012-2024

ENGINE LOG BOOK

CONTINENTAL™

Engine Logbook
2012-2024

WESTERN WISCONSIN HEALTH
1100 BERGSLIEN STREET, BALDWIN, WI 54002
PHONE 715.684.1111
WWHEALTH.ORG

Publication ELB-01

JUN 2011

ACCESSORY	
FLT TNG	
TAX	1
TOTAL AMOUNT	1316

Note: A security interest in the aircraft is specifically granted for the unpaid balance due for labor and parts and outside work.

Date _____

Signature _____

Service Information

Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.

If internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:
Continental Motors, Inc.
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:
Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE FUEL IS PROHIBITED

Continental Motors, Inc.

Production Certificate 508

Printed: 6/5/2012

Test Date: 6/4/2012

This engine model 0470S2B , serial number 1006677 was rebuilt by Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.

Thomas Howard

Date	Total Tir
	Hours
17 Al	
4 September 201 Installed this TCM mounts and hard model C290D3J/ (Ford) model DC dated 5/22/12, s engine with Aer filter assy with check'd satisfa	
	Aircraft Total
	Engine Total
3 APR 1	
30 A	

Date	Total Time		Time Since Last Overhaul		**Engine Service and Maintenance Record**
	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Clinton Aero Maintenance
10501 Piscataway Rd
Clinton, MD 20735
(310)-297-7808

4 September 2012 ***N1649M*** **S/N: 18264402**

Installed this TCM Rebuilt engine model O-470S2B, S/N 1006677 this date utilizing new engine shock mounts and hardware – The following additional accessories installed: New McCauley prop governor model C290D3J/T1, S/N 751145 – new Tempest AA3216CW, S/N 751708 vacuum pump – Overhauled (Ford) model DOFF10300JR-OA-E, S/N 215075 Alternator overhauled by Aerotech under W.O. #105705 dated 5/22/12, see FAA form 8130-3 – New McCauley 2A34C203-C, S/N 110282 Propeller – Serviced engine with Aeroshell 100 straight mineral oil – removed supplied oil screen and reinstalled Airwolf oil filter assy with new champion CH48109-1 oil filter and new seal kit – Engine run-up, Leak and Op's check'd satisfactory – Adjusted Idle and Idle mixture.

Tach : 2308.53
Aircraft Total Time: 5288.23
Engine Total Time: 0.0

Daniel P. Fragassi
A&P 114-42-7782

Date 4SEP 12
I certify that this aircraft engine has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition
total time 0.0 ENG. tach time 2308.53

IA 114-42-7782

3 APR 13					CHANGED OIL & FILTER - INSP'T OLD FILTER CK'D SATIS. - SERVICED ENG. WITH 11 QTS 50WT AEROSHELL STRAIGHT MINERAL OIL - ENG. WASHED DOWN - RUN-UP LEAK & OP'S CK'D SATIS. TACH 2332.54 A&P 114-42-7782
30 APR 13					REMOVED #5 & #6 CYL'S SENT TO CONTINENTAL MOTORS FACTORY SERVICE CTR. FOR REPAIRS (LEAKING EXH. VALVES) TACH 2343.93 A&P 114 42-7782

LABOR BROUGHT FORWARD
CUSTOMER SALES SUMMARY

LABOR					9	8		1	2
PARTS					11	1500			1316
OUTSIDE WORK									
FREIGHT									
ACCESSORY									
FLT TNG									
TAX									
TOTAL AMOUNT									

☐ I do not require an estimate. Initials_____
☐ I require an estimate if repair costs more than $_____. Initials_____
☐ I have received an estimate of $_____ and require permission to continue if costs exceed $_____ Initials_____

I hearby authorize the following repair work to be done along with the necessary material, and hereby grant you and/or employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection.

I will not hold you responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.

Note: A security interest in the aircraft is specifically granted for the unpaid balance due for labor and parts and outside work.

Signature_____ Date_____

Engine Service and Maintenance Record

Date	Total Time Hours	Total Time Min	Time Since Last Overhaul Hours	Time Since Last Overhaul Min	Record maintenance actions including engine part installation and compliance with inspections, Airworthiness Special Inspections, Modifications and Service Bulletins
Carried forward →					
			TACH 2343.93		RE-INSTALLED #5 & #6 CYL'S AFTER
30 MAY 13					WARRANTY REPAIRS BY CONTINENTAL MOTORS
					SERVICE CTR - SEE FAA FORM 8130-3 FOR
					DETAILS - ALL NECESSARY SEALS & GASKETS
					REPLACED AS NEEDED - ENG. RUN-UP LEAK
					& OP'S CK'D SATIS.
					AdP 114-42-7780
1 JUN 13			TACH 2344.02		COMP. CHECK'D #5 & #6 CYL'S AFTER (1)
					HOUR BREAK-IN FLIGHT #5(76) #6(74)
					REMOVED OIL FILTER INSP'T CK'D SATIS.
					INSTALLED NEW OIL FILTER & RUN-UP &
					LEAK & OP'S CK'D SATIS.
					AdP 114-42-7780
3 OCT 13			TACH 2354.85		COMP CK'D ENG #1(66) #3(72) #5(77) #2(73)
					#4(76) #6(78) - REMOVED #1 CYL. & SENT BACK
					TO CONTINENTAL MOTORS FOR WARRANTY REPAIR
					(EXH. VALVE LEAKAGE) - RE-INST'D CYL. AFTER
					FACTORY REPAIRS (SEE FAA. FORM 8130-3) REPAIRS
					UNDER W.O. CS-1146 DATED 12SEP13 - REMOVED
Date 3 OCT 13					RT MAGNETO REPLACED POINTS & RE-INST'D MAG &
~~I certify that this aircraft engine~~ has been inspected in accordance with a					TIMED TO ENGINE - CHANGED OIL & FILTER - INSP'T
ANNUAL inspection and was determined ~~to be in airworthy condition~~					OLD FILTER CK'D (SATIS) - SERVICED ENGINE 11 QTS
total time 46.32 tach time 2354.85					AEROSHELL 50WT STRAIGHT MINERAL OIL -
					DRAINED CARB BOWL & SVC'D CARB INLET SCREEN
IA 114-42-7782					CLEANED AND GAPPED SPARK PLUGS - BORESCOPED
					ENG. (NO DEFECTS NOTED) ENG. WASHED DOWN RUN-UP
					LEAK AND OP'S CK'D (SATIS.)
					AdP 114-42-7782

aintenance Record

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tions, Airworthine
ervice Bulletins

YL'S AFTER
ONTINENTAL MOTORS
RM 8130-3 FOR
SEALS & GASKETS
. RUN-UP LEAK

42-7782

CYL'S AFTER(1)
#5(76) #6(74)
T CK'D SATIS.
R & RUN-UP'D

#5(77) #2(73)
YL. & SENT BACK
RRANTY REPAIR
D CYL. AFTER
em 8130-3) REPAIRS
12SEP13 - REMOVED
E-INST'D MAG &
& FILTER - INSP'D
ENGINE 11 QTS
NERAL OIL -
B INLET SCREEN -
GS - BOR
ED DOWN RUN-UP

7782

17 Date Al	Total Time Hours	Min
Carried forward →		
4 OCT 13		

#1 CYL

EASE CERTIFICATE
RTHINESS APPROVAL TAG

3. Form Tracking Number: 804

Fairhope, AL 36532

5. Work Order/Contract/Invoice Number: CS-1146

ility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
ller	1	AC12DA892	Repaired

146. Overhaul manual X30586 revision dated August 2011used for

19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

20. Authorized Signature: Charles E Baggett

21. Approval/Certificate No.: 9CER853B

22. Name (Typed or Printed): Charles E. Baggett

23. Date (m/d/y): SEP 12,2013

Responsibilities

constitute authority to install the part/component/assembly.

vorthiness authority different than the airworthiness authority of the country specified in
ts parts/components/assemblies from the airworthiness authority of the country specified in

t maintenance records must contain an installation certification issued in accordance with the

al data.

NSN: 0052-00-012-9005

LABOR BROUGHT FORWARD	2
CUSTOMER SALES SUMMARY	1512
LABOR	
PARTS	
OUTSIDE WORK	1500
FREIGHT	12
ACCESSORY	
FLT TNG	1
TAX	
TOTAL AMOUNT	

Initials_____

☐ I do not require an estimate. Initials_____ Initials_____

☐ I require an estimate if repair costs more than $_____ and require permission to continue if costs exceed $_____

☐ I have received an estimate of $_____ and hereby grant you and/or employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection.

I hearby authorize the following repair work to be done along with the necessary material, and hereby grant you and/or employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection.

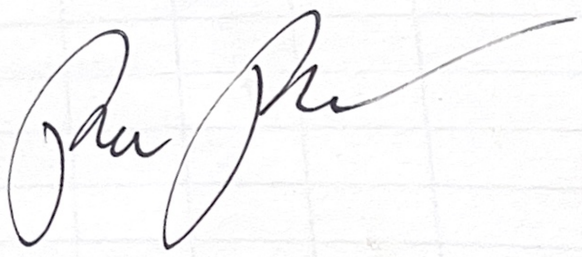
I will not hold you responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.

I will not hold you responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control. Specifically granted for the unpaid balance due for labor and parts and outside work.

Engine Service and Maintenance Record

Date	Total Time Hours	Total Time Min	Time Since Last Overhaul Hours	Time Since Last Overhaul Min	Record maintenance actions including engine part installation and compliance with inspections, Airworth Special Inspections, Modifications and Service Bulletins
Carried forward →					

10/23/2014 Tach 2535 TSOH 226.5
I certify that I have inspected this engine for Annual/100hr Inspection IAW AC 43:13 appendix D and Continental Service Manual and found it to be in an airworty condition.
#1 78/80 #2 74/80 #3 76/80 #4 74/80 #5 78/80 #6 72/80
1. Changed oil and filter. 11 qts Aero Shell W100 plus one bottle Cam Guard. CH481081. Cut and inspected filter found clean.
2. Installed 12 new Tempest Spark plugs.
3. Checked mag timing.
AD's current through Tdata 2014-20
Ryland Roetman IA 2708504



Date: 02/12/2015 Aircraft # N1649M Serial # 18264402
Tach: 2594.15 Total Time: 5579.85 SMOH: 291.65

Drained oil and removed filter. Refilled with 11qts AerShell w100 and 1 pint Camguard. Installed new Champion 48108-1 filter. Cut open filter, no defects noted. Sent oil sample to AvLabs for analysis. Adjusted cabin heat valve to shut off completely. Lubed tach drive cable. Adjusted voltage regulator. Ground ran for leak check. Aircraft returned to service.
Prepared By:Dan Giallourakis

Certification #1974666 IA

Date: 07/15/2015 **Hours:** 2763.3
Make: Cessna **Model:** 182P **Tail:** N1649M
Name: Dan Giallourakis **S/N:** 18264402
Co: DGW Aircraft Service LLC **Cert:** 1974666 IA
Signed:

Drained oil and remove filter. Opened filter, no defects noted. Refilled with 11 Qts. AeroShell W100 plus one pint Camguard. Oil sample sent for analysis. Ground run for leak check. Non noted. Aircraft returned to service.

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...1649M
...3264402

...plus one pint
...service.

Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record

11/13/2015 Tach 2711 TSOH 402.5 N1649M S/N182 64402

1. Changed Oil and Filter. Installed 10 qts W100 Aero Shell , 1 Pint Cam Guard, Ch48108-2 Filter
2. Installed New Brackett Filter
3. Lubed all controls
4. Compressions #1 78 #2 74 #3 76 #4 74 #5 78 #6 72
5. Runup and leak check good.
6.

AD's current through FAA.Gov 11/13/2015.
I certify that this powerplant has been inspected on 11/13/2015 IAW the scope and detail of Appendix ~~D~~ of CFR 14 Part 43 and Continental maintenance manual for 100hr/Annual Inspection and found to be in an Airworthy Condition.
Ryland Roetman
A&P 2708504
AI 2708504

...ate: 03/03/2016 **Hours:** Hobbs:015.0 SMOH:464.48
Make: Cessna **Model:** 182P **Tail:** N1649M
Name: Dan Giallourakis **S/N:** 182-64402
Co: DGW Aircraft Service LLC **Cert:** 1974666 IA
Signed:

Drained oil and removed filter. Refilled with 10 QTs. AeroShell W100 plus one pint Camguard. Opened filter and no defects noted. Oil sample sent to Blackstone Labs for analysis. Ground ran for leak check. None noted and aircraft returned to service.

2757.98

CUSTOMER SALES SUMMARY

LABOR	
PARTS	
OUTSIDE WORK	
FREIGHT	
ACCESSORY	
FLT TNG	

...Initials_____
...sts exceed $_____. Initials_____
...ir costs more than $_____. Initials_____
...equire an estimate. Initials_____
...ther cause beyond your control.
...al, and hereby grant you and/or employees permission to operate and fly the
...material,

Date	Total Time		Overhaul		Record maintenance performed, including installation and compliance with inspections, Special Inspections, Modifications and Service Bulleti
	Hours	Min	Hours	Min	

01/03/2017 Tach 110.5 TSOH 577.0 N1649M S/N182 64402

1. Changed Oil and Filter. Installed 10 qts W100 Aero Shell , 1 Pint Cam Guard, Ch48108-2 Filter
2. Installed New Brackett Filter. BA-8103-1
3. Lubed all controls
4. Compressions #1 74 #2 74 #3 76 #4 74 #5 78 #6 72
5. Runup and leak check good.
6.

AD's current through FAA.Gov 01/03/2017.

I certify that this powerplant has been inspected on 11/13/2015 IAW the scope and detail of CFR 14 Part 43 and Continental maintenance manual for 100hr/Annual Inspection and found to be in an Airworthy Condition.

Ryland Roetman

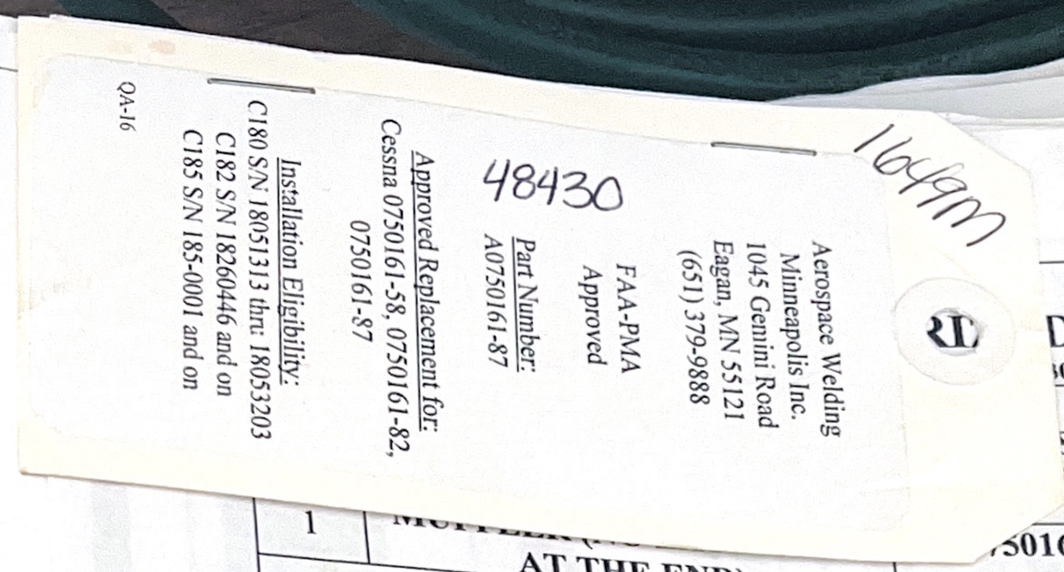
IA 2708504

N1649M
Tach:166.4
24 August 2017

Aircraft Maintenance Services, Inc.
1400 Jim Hamilton Blvd, Bldg E
Columbia, SC 29205
www.amscolumbia.com

Drained Oil and removed oil filter for inspection. Serviced engine with Aeroshell 100W oil and replaced oil filter. Cleaned engine ran up for leak check. No leaks noted.

Frederick Dickens II A&P 3643176



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12. Remarks:

**WORK ORDER # 32135 DESCRIBING ACTUAL WORK IS ATTACHED. A
CHAPTER 4.**

Date: 4/1/2019
Aircraft N#: 1649M
Engine S/N: 1006677
Hours Tach: 315.4
Hours SMOH: 719.2

Performed Annual Inspection IAW Cessna 182 AMM and FAR 43 app. D. Drained oil, Serviced engine with 11qts Aeroshell W100 oil, and one pint Camguard oil additive. installed new 48108 oil filter. Performed compression check (1) 74/80 (2) 76/80 (3) 72/80 (4) 75/80 (5) 71/80 (6) 74/80. Adjusted alternator belt tension. Verified Magneto timing. Cleaned and gapped spark plugs. Installed new pushrod tube seals cylinders 1&3. Ran engine, no defects noted. I certify that this engine has been inspected in accordance with an Annual inspection, and is in airworthy condition.

Dan Egecrone

Dan Egecrone A&P 2723656IA

Engine Service and Maintenance Record

Date	Total Time	Time Since Last Overhaul	Engine part removal and airworthiness Directives, Bulletins
Carried fo			

Maintenance Record

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Date: 06/13/2021 **Hours**: TACH:405.2 TSMOH:809.0
Tail#: N1649M
Make: Continental **Model**: O470-R **S/N**: 1006677

Annual/100hour inspection conducted IAW the Continental O470 MM and the Cessna 182 MM. Engine ground run completed. Compressions were as follows: MO-43, #1:74 #2:59, #3:70, #4;59, #5:72, #6:64. Cylinders were borescoped. Found cracked valve seat on #6 cylinder. Cylinder was removed and a serviceable(IRAN by Don George Aircraft) was installed IAW the MM. Engine was ground ran again to check for leaks. none found. Timing was checked. Complied with CSB07-01A and no defects found. #6 CHT probe was replaced due to it being bent. Oil was drain and re-serviced with AeroShell 100 mineral oil for cylinder break in. new Tempest 48109 oil filter installed. Cabin heat scat tube was replaced. Carb Air Temp INOP. Parts on order. All AD's complied with through AD ToolBox this date. I certify this engine has been inspected IAW an annual inspection and returned to service.

Name: Dan Giallourakis
Co: DGW Aircraft Service LLC **Cert**: 1974666 IA
Sign:

Date: 12/20/2021 **Hours**: TTAF:6197.2 TACH:405.23
Tail#: N1649M
Make: Textron (Cessna) **Model**: 182P **S/N**: 182-64402

Drained oil and replenished with AeroShell W100 plus Camguard. Installed new Tempest 48109 oil filter. Complied with CSB07-01A. No evidence of piston pin failure was noted. Engine was ground ran for leak check and returned to service.

Name: Dan Giallourakis
Co: DGW Aircraft Service LLC **Cert**: 1974666 IA
Sign:

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part removal and
thiness Directives,
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LABOR BROUGHT FORWARD	
CUSTOMER SALES SUMMARY	
LABOR	
PARTS	
OUTSIDE WORK	
FREIGHT	11.29
ACCESSORY	1500.00
FLT TNG	
TAX	1
TOTAL AMOUNT	1512.29

☐ I do not require an estimate. Initials_____
☐ I require an estimate if repair costs more than $_____. Initials_____
☐ I have received an estimate of $_____and require permission to continue if costs exceed $_____. Initials_____

I hearby authorize the following repair work to be done along with the necessary material, and hereby grant you and/or employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection.

I will not hold you responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.

Note: A security interest in the aircraft is specifically granted for the unpaid balance due for labor and parts and outside work.

Signature_____ **Date**_____

Annual

Hours: TTAF:6208.4 TSMOH:9204

AL **Model**: O-470-S **S/N**: 182-64402

ction complied with IAW Continental O-470 MM and AC-43.13, was opened and no defects noted. Replinished oil with one qt. omplied with CSB07-01A.

Engine timing was checked. Compressions were as follows. 8, #3:68, #4;60, #5:70, #6:73/80. Washed engine down and ground run for leak check. All AD's complied with through AD ToolBox this date. I certify this engine has been inspected IAW annual inspection and found to be airworthy and returned to service.

Name: Dan Giallourakis **Cert**: 1974666 IA

Co: DGW Aircraft Service LLC **Sign**:

ntenance Record

engine part removal and
ns, Airworthiness Directives,
vice Bulletins

REG #	N1649M
MODEL	Cessna 182P
SERIAL #	18264402
Eng. Model	O-470-S
Eng. S/N	1006677

Signature TECHNICA*IR*
529 EATON STREET
ST. PAUL, MN 55107
FAA REPAIR STATION # YRJR 826K
LOGBOOK INSERT

DATE	9/30/2022
W/O	S98-22-29255
Hobbs	580.5
Tach	538.0
CYCLES	

1. Drained oil. Complied with CSB07-01A. No particles noted. Took sample and sent in for analysis.
2. Removed oil filter and examined. No anomalies noted. Installed new oil filter P/N CH48109-1. Serviced with 12 qts. Aeroshell 15w-50 oil.
3. Completed post maintenance leak and operational check. Both found good.

The Aircraft and/or Component(s) identified above in the scope of this work order were repaired and/or inspected in accordance with current applicable Federal Aviation Regulations, current aircraft/engine manuals and were determined to be airworthy for return to service for the work performed at this time/date. Details of the work order are on file at this facility.

DATE 9/30/2022 **SIGNED** Thomas W. Thunstrom CRS YRJR826K

Thomas W. Thunstrom CRS YRJR826K

wo: WO_864

Engine · page 1 of 1

Gibson Aviation Services · 1400 Indianhead Dr. East · Menomonie, WI 54751 · 7152311836

N1649M **CONT MOTOR, O-470 SERIES, S/N: ENGINE SN TBD** **October 27, 2022**
TACH: 587.2

Drained the oil. Removed and inspected the filter. No abnormalities found. Installed, torqued, and safetied the new oil filter P/N: CH48109-1. Serviced with 10 Qts of Aeroshell 15W50. Ops and leak check satisfactory.

With respect to the work performed, this engine is approved for return to service.

Aaron Peterson A&P 3190914

wo: WO_1002

Engine · page 1 of 1

Gibson Aviation Services · 1400 Indianhead Dr. East · Menomonie, WI 54751 · 7152311836

N1649M **CONT MOTOR, O-470 SERIES, S/N: ENGINE SN TBD** **March 27, 2023**
TACH: 634.8

Drained oil, removed, and inspected the oil filter.No abnormalities found. Installed, torqued and safetied new oil filter P/N: CH48109-1. serviced with 11 Qts of Aeroshell W15W-50. Ops and leak check satisfactory.

With respect to the work performed, this engine is approved for return to service.

Aaron Peterson A&P 3190914

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...vice Bulletins

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wo: WO_1258

Gibson Aviation Services · 1400 Indianhead Dr. East · Menomonie, WI 54751 · 7152311836

Engine · page 1 of 1

N1649M
TACH: 726.3
ETT: 1130.3

TCM/O-470-S2B, S/N: 1006677

September 05, 2023

1. Performed an Annual Engine Inspection on this day. Researched AD's to date. Drained oil, removed filter and inspected. No contaminants found. Installed new AA48109 filter, torqued and safetied. Serviced engine with 11qts. Phillips 20w50 Type M. Performed compressions IAW TCM SB03-3, Compressions: #1-58/80, #2-20/80, #3-69/80, #4-10/80, #5-58/80, #6-75/80. Master Orifice-41/80. Boro-scoped cylinders and found multiple exhaust valves burnt. Lubed and checked control travels. Removed, cleaned, gapped, tested, and re-installed spark plugs. Verified Mag. to engine timing. Visually inspected and pressurized exhaust/muffler assembly. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW an Annual Inspection and was determined to be Airworthy at this date and time. The following discrepancies were addressed:
2. AD22-04-04 DNA, Stratus oil filter adapter not installed.
3. AD22-16-03 DNA per magneto S/N's.
4. AD23-02-12 DNA, affected SAP valves not installed.
5. AD23-04-08 DNA per engine S/N and crankshaft not installed or repaired after June 1 2021.
6. Removed both mags and installed OH/EX units Model S6RN-1225, S/N A137093 and S/N 8090J4. Leak and functional check satisfactory.
7. Removed #1, #2, #3, #4 and #5 cylinders due to burnt exhaust valves and sent to Horizon Aircraft Engine Services for repair. Replaced all lifters with new P/N 658077 and P/N 658088 and re-installed cylinders after repair IAW TCM OH Manual. Leak and functional check satisfactory. See Horizon W/O35684.

With respect to the work performed, this engine is approved for return to service.

Aaron Simmons A&P/IA 3592994

wo: WO_1579

Gibson Aviation Services · 1400 Indianhead Dr. East · Menomonie, WI 54751 · 7152311836

Engine · page 1 of 1

N1649M
TACH: 737.8
ETT: 1141.8

TCM/O-470-S2B, S/N: 1006677

March 28, 2024

Drained oil, removed filter and inspected. No contaminants found. Installed new AA48109 filter, torqued and safetied. Serviced engine with 11qts Phillips 20w50 Type M. Ground run, ops and leak check satisfactory.

With respect to the work performed, this engine is approved for return to service.

Aaron Simmons A&P/IA 3592994

wo: WO_1685

Gibson Aviation Services · 1400 Indianhead Dr. East · Menomonie, WI 54751 · 7152311836

Engine · page 1 of 1

N1649M
TACH: 789.2
ETT: 1193.2

TCM/O-470-S2B, S/N: 1006677

October 01, 2024

1. Performed an Annual Engine Inspection on this day. Drained oil, removed filter and inspected. No contaminants found. Installed new AA48109 filter, torqued and safetied. Serviced engine with 11qts. Aeroshell 15w50. Performed compressions IAW TCM SB03-3. Compressions: #1-76/80. #2-76/80. #3-74/80, #4-75/80, #5-76/80, #6-74/80. Master Orifice-41/80. Lubed and checked control travels. Removed, cleaned, gapped, tested, and re-installed spark plugs. Verified Mag. to engine timing. Visually inspected and pressurized exhaust/muffler assembly. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW an Annual Inspection and was determined to be Airworthy at this date and time. The following discrepancies were addressed:.
2. Researched AD's through bi-weekly 2024-18.
3. Tightened L/H Exhaust Carb Heat Shroud Clamp.

With respect to the work performed, this engine is approved for return to service.

Aaron Peterson A&P/IA 3190914

LABOR BROUGHT FORWARD	
CUSTOMER SALES SUMMARY	
LABOR	12
PARTS	1500
OUTSIDE WORK	
FREIGHT	
ACCESSORY	
FLT TNG	1
TAX	
TOTAL AMOUNT	1512

☐ I do not require an estimate. Initials_____

☐ I require an estimate if repair costs more than $_____. Initials_____

☐ I have received an estimate of $_____ and require permission to continue if costs exceed $_____

I hearby authorize the following repair work to be done along with the necessary material, and hereby grant you and/or employees permission to operate and fly the aircraft herein described for the purpose of testing and/or inspection.

I will not hold you responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.

Note: A security interest in the aircraft is specifically granted for the unpaid balance due for labor and parts and outside work.

Signature_____ Date_____

...than $_____. Initials_____

...and require permission to continue if costs exceed $_____ Initials_____

...wing repair work to be done along with the necessary material, and hereby grant you and/or employees permission to operate and fly the ...ibed for the purpose of testing and/or inspection.

...d you responsible for loss or damage to the aircraft or articles left in the aircraft in case of fire, theft, or any other cause beyond your control.

...urity interest in the aircraft is specifically granted for the unpaid balance due for labor and parts and outside work.

...ignature _____ Date _____

FINAL INSPECTION

CERT NO

LABOR BROUGHT FORWARD	
CUSTOMER SALES SUMMARY	
LABOR	
PARTS	
OUTSIDE WORK	
FREIGHT	
ACCESSORY	
FLT TNG	
TAX	
TOTAL AMOUNT	
