

# ENGINE LOG BOOK



Customer Copy



Continental Motors, Inc.

## Engine Component Information Sheet

Printed : 3/26/2013

Serial: 1008149  
Spec: IO550B128B  
New/Rebuilt: NEW

Assembled: 3/20/2013  
Shipped:  
Packed: 3/26/2013

Customer Name:

Shipping Address:

Component	Serial Number	Component	Serial Number
CAMSHAFT	159068	L. TURBO	N/A
CRANKSHAFT	N12IA004	R. TURBO	N/A
CRANKCASE	R12KA287	OVERBOOST	N/A
CONNROD	AE12LA555	CONTROLLER	N/A
CONNROD	AE13AA637	WASTEGATE	N/A
<del>CONNROD</del>	<del>AE12LA559</del>	CYLINDER - 1	AC13BA153
<del>CONNROD</del>	<del>AE13AA607</del>	CYLINDER - 2	AC13AA921
<del>CONNROD</del>	<del>AE12LA551</del>	CYLINDER - 3	AC12LB281
<del>CONNROD</del>	<del>AE13AA579</del>	CYLINDER - 4	AC13BA431
L MAGNETO	13020828	CYLINDER - 5	AC13BA212
R MAGNETO	13020827	CYLINDER - 6	AC13AB078
CARBURETOR	N/A	CYL FLOW CODE	N/A
FUEL PUMP	B13CA032	NOZZLE - 1	1253
MANIFOLD VALVE	C13BA160	NOZZLE - 2	2253
METERING UNIT	A13BA153	NOZZLE - 3	3248
STARTER	H-P-151328	NOZZLE - 4	4243
ALTERNATOR	013AA098	NOZZLE - 5	5239
ALTERNATOR 2	N/A	NOZZLE - 6	6239
DRIVE GEAR	N/A	OIL COOLER	E12-10107-57
IVEN GEAR	N/A	PISTON WEIGHT	N/A

Removed +  
Replaced  
with superior

Form QA-85A (MAR 2012)

Pack Inspection Stamp

All of the information provided herein is subject to verification by the user. Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

## Service Information

Consult the Continental Motors web site at [continentalmotors.aero](http://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 service bulletins that may be pertinent to your engine model.

If Internet access is not available, contact our Customer Service Department at:  
8-826-5465 Toll free in the United States or  
1-438-8299 International

## Engine Returns

Return engines for core credit with this log book to:

Continental Motors, Inc.  
39 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: 3/26/25013

Test Date: 3/26/2013

This engine model IO550B128B, serial number 1008149 was manufactured 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.

*[Signature]*

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b>  Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
6-5-13	0	0	0	0	This engine has been installed on aircraft serial number E-4002 and has been fully charged with Phillips 66 Type M SAE 20W-50.   Dale W. Dodd For Beechcraft Corporation PC#8



1980 Airport Rd  
Wichita, Kansas 67209  
Phone: (316) 676-4500  
Fax: (316) 671-3279  
FAA Certified Repair Station BWVR672C  
EASA Certified Repair Station No. 145.5086

ENGINE LOG ENTRY

MODEL	A/C S/N	A/C REG	W/O	AC TT	AC TC	HR MTR	DATE
G36	E-4002	N50602	ICT04000212	22.6	-----	22.6	7/1/2013

ENGINE S/N	ENGINE TT	ENGINE TC	ENGINE TSO	ENG.TSHSI
1008149	22.6	-----	-----	-----

1. C/W 25 HR. DRAINED OIL AND REMOVED OIL FILTER, RE-SERVICED SYSTEM WITH 12 QT. OF PHILLIPS 66 20W50 OIL, CHECK FILTER FOR CONTAMINATION NOTHING NOTED, INSTALLED NEW FILTER P/N CH48109-1 IAW G36 MM 12-10-00-001. LEAK AND OPS CHECK GOOD

FOR DETAILED DESCRIPTION OF ALL WORK PERFORMED, REFERENCE THE HAWKER BEECHCRAFT SERVICES WORK ORDER LISTED IN LOGBOOK ENTRY HEADER ABOVE.

"I CERTIFY THAT THIS AIRCRAFT WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED ONLY."


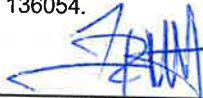




Hawker Beechcraft Services  
CRS# BWVR672C  
EASA CERTIFIED REPAIR STATION 145.5086

  
Name: Ross Frank  
Title: Inspector

July 3/13	21.1	—	Arrival at CYPQ for import to Canada





Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 25%;">  </div> <div style="width: 40%;">           901 Airport Road, Peterborough Airport,            Peterborough, Ontario, Canada            Ph: (705) 742-9631 Fax: (705) 742-1494         </div> <div style="width: 30%;">           Date: <b>July 25, 2013</b>            Reg'n: <b>C-FRWD</b>            TTAF: <b>29.1</b> TCAF: <b>20</b> </div> </div> <p><b>Import - Engine</b>            ~ This aircraft has been inspected per MSI-26 for importation into Canada from United States under Type Approval Certificate A-245 Issue 3 and was found to meet the design standard.            ~ Aircraft will be maintained in accordance with CAR 625 Appendices B and C.</p> <p><b>Release</b>            The maintenance described above has been accomplished in accordance with the applicable standards of airworthiness. Details of work performed are maintained on file at Flying Colours under work order 136054.</p> <div style="text-align: right;">     <i>Tim Pickett, Chief Inspector</i>            Flying Colours Corp., AMO 45-08         </div>					
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 25%;">  </div> <div style="width: 40%;">           901 Airport Road, Peterborough Airport,            Peterborough, Ontario, Canada            Ph: (705) 742-9631 Fax: (705) 742-1494         </div> <div style="width: 30%;">           Date: <b>March 29, 2014</b>            Reg'n: <b>C-GRWD</b>            TTAF: <b>51.3</b> </div> </div> <p><b>Engine Log</b>            ~ Engine oil drained. New filter installed. Old filter cut open, inspected, and no metal found. Engine serviced with 10L 20W50XC oil. Aircraft ground run and leak checked.</p> <p><b>Release</b>            The maintenance described above has been accomplished in accordance with the applicable standards of airworthiness. Details of work performed are maintained on file at Flying Colours under work order 146352.</p> <div style="text-align: right;">     <i>Tim Pickett, Chief Inspector</i>            Flying Colours Corp., AMO 45-08         </div>					

[illegible]

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					
Carried forward →					

TORNADO ALLEY TURBO INC.  
300 AIRPORT RD  
ADA, OK 74820

ENGINE LOG BOOK ENTRY

13 FEB 2015

C-FRWD BONANZA MODEL G36 SN: E-4002 ACFT TT: 93.9 ACFT TACH: 93.9

TCM IO-550-B SN: 1008149 ENG TSN: 93.9 ENG TSMOH: N/A

DRAINED ENGINE OIL AND REMOVED OIL FILTER. RETAINED OIL SAMPLE FOR ANALYSIS. CUT OPEN AND INSPECTED OIL FILTER. NO ABNORMALITIES NOTED.

SERVICED ENGINE WITH 11 QUARTS OF PHILLIPS 20W/50 OIL AND INSTALLED NEW CHAMPION CH48109-1 OIL FILTER.

RUN-UP, OP'S, AND LEAK CHECK OK.

DAVID R. LANDRETH A&P 2651512 IA



901 Airport Road, Peterborough Airport,  
Peterborough, Ontario, Canada  
Ph: (705) 742-9631 Fax: (705) 742-1494

Date: June 23, 2015

Reg'n: C-FRWD

TTAF: 121.3

Engine

~ 100 hour / annual inspection carried out per Maintenance Manual 05-20-00-001, Sec 2. Ground run and leak checked serviceable. Note: Oil change not due at this time.

~ Starter contactor relay p/n 6041H190 replaced new. Function checked serviceable.

Release

The maintenance described above has been accomplished in accordance with the applicable standards of airworthiness. Details of work performed are maintained on file at Flying Colours under work order 15-295.



Tim Pickett, Chief Inspector  
Flying Colours Corp., AMO 45-08

TORNADO ALLEY TURBO INC.  
300 AIRPORT RD  
ADA, OK 74820

ENGINE LOG BOOK ENTRY

8 DECEMBER 2015

C-FRWD BONANZA G36 SN: E-4002 ACFT TT: 173.9 HOBBS: 173.9

TCM IO-550-B SN: 1008149 ENG TT: 173.9

DRAINED ENGINE OIL AND REMOVED OIL FILTER. RETAINED OIL SAMPLE FOR ANALYSIS. DISASSEMBLED OIL FILTER AND INSPECTED. NO ABNORMALITIES NOTED. SERVISED ENGINE WITH 12 QUARTS OF PHILLIPS 20W/50 OIL.

INSTALLED NEW CHAMPION CH48109-1 OIL FILTER.

PERFORMED CYLINDER DIFFERENTIAL COMPRESSION CHECK, #1 72/80, #2 70/80, #3 72/80, #4 68/80, #5 75/80, #6 74/80. MO 41

RUN-UP, OP'S, TEST FLIGHT AND LEAK CHECK OK. APPROVED FOR RETURN TO SERVICE.

ENGINE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS, ADVISORY CIRCULARS, AND APPROPRIATE MANUFACTURER'S MANUALS

WESLEY JENKINS A&P 3041696 IA

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					

Carried forward →

DEC 30, 2015 201.9.

DRAINED ENGINE OIL AND REMOVED AND INSPECTED OIL FILTER. INSTALLED NEW FILTER AND OLD FILTER INSPE GOOD-NO DEBRIS. SERVICED ENGINE w/ 10 quarts of Phillips 20W-50. FOR ENGINE-LEAK & OPS CHECK OK. FILTER WAS CHAMPION CH48109-1

GREG KATZMAN

A&P 77521851

EL PASO AERO, VLR562K.

El Paso Aero, Inc.  
Avionics Associates  
7305 Boeing Drive  
El Paso, Texas 79925  
FAA CRS#VLR562K

N#: CF-RWD  
S/N: E-4009  
A/C Hobbs: 228.3

Mfg: Beechcraft  
W.O.#: 67236

Model: G-36  
Date: 03/31/16

Page 1 of 1

DraINED oil and removed oil filter. Split filter and inspected as ok. Installed new Champion CH48109-1 oil filter and serviced engine with Phillips 20W-50 oil. Washed engine, ran and leak checked ok.

GREG KATZMAN



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					
Carried forward →					
JUNE 20/16 251 9					

LEGGAT AVIATION LTD  
www.leggataviation.com

Beech B36  
C-FRWD

WORK ORDER # 203699

Inspection

→ Annual inspection carried out referenced CARs 625 B & C and Beech G36 100 hour check list.

**Resulting from inspection the following maintenance completed:**

Engine

- Motostat: #1 67/80, #2 36/80, #3 60/80, #4 65/80, #5 72/80 and #6 66/80.
  - Dressed and painted prop.
  - Oil and filter change carried out. Engine serviced with Aeroshell W100M oil. Oil sample taken.
  - Installed Champion oil filter P/N CH48108-1. Old filter cut open and inspected. No faults found.
  - Trouble shoot #2 cylinder low compression, found valve leak.
  - Removed and reinstalled #2 cylinder for repairs reference Leggat Aviation Ltd. Form One, W.O. 203760.
  - Removed and reinstalled R/H exhaust system includes risers and cross over pipe for repairs, reference Tornado Alley Certificate of Conformance.
  - Trouble shoot source of minor ferrous material
  - Removed and reinstalled rocker covers, rocker arms, push rods and tubes for access.
  - Removed and reinstalled all hydraulic lifters for visual inspection #6 noted.
  - Replaced #6 cylinder intake hydraulic lifter P/N 65088 installed.
  - Removed and reinstalled L/H and R/H induction system to gain access to push rods and tubes, replaced hoses and gaskets P/N 649959 installed.
  - Replaced all push rod tube seals with RG kit P/N RG-520PR6 installed.
  - Replaced all rocker cover gaskets P/N 1387-1 installed
  - Removed and reinstalled L/H and R/H magnetos for gasket replacement P/N 649954 installed, mags retimed to 22°BTC.
  - Removed and reinstalled aft induction cross over pipe for repair, reference Tornado Alley Turbo Certificate of Conformance
  - Engine ground run, leak and function checked.
- Airworthiness Directives and Service Bulletins
- CF90-03R2 (Part1) Heat exchanger inspection and pressure tested, no defects noted. Next due @ 401.9 hrs or next annual.
  - AD84-26-02 Paper induction filter replaced P/N P13-7627 installed. Next due @ 751.9 hrs.
  - SB27-4136 Flight control column hardware replacement carried out, referenced SB27-4136.
  - SB21-4140 Improved air flow design for KPAK Aero Air Conditioning, N/A by type of condenser scoop installed.

"The described maintenance has been performed in accordance with the applicable airworthiness requirements and performance rules of CAR 571.02".

Signed on behalf of AMO 2.73



//Date: June 20, 2016

END

LEGGAT AVIATION LTD  
www.leggataviation.com

Beech B36  
C-FRWD

WORK ORDER # 203775

Engine

- Trouble shoot reported engine manifold at altitude above 5000 ft.
- Adjusted manifold pressure to 30.0 in/lb.
- Engine ground run and function checked.

"The described maintenance has been performed in accordance with the applicable airworthiness requirements and performance rules of CAR 571.02".

Signed on behalf of AMO 2.73



//Date: July 6, 2016

END

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					
Carried forward →					
2748					

LEGGAT AVIATION LTD  
www.leggataviation.com

Beech B36  
C-FRWD

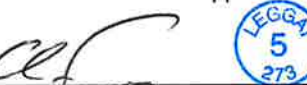
WORK ORDER # 203891

Engine

- Oil and filter change carried out. Engine serviced with Phillips 20W50XC oil. Oil sample taken.
- Installed Champion oil filter P/N CH48108-1. Old filter cut open and inspected. No faults found.
- Motostat: #1 64/80, #2 72/80, #3 67/80, #4 65/80, #5 72/80 and #6 64/80.
- Engine ground run, leak and function checked.

"The described maintenance has been performed in accordance with the applicable airworthiness requirements and performance rules of CAR 571.02".

Signed on behalf of AMO 2.73



//Date: August 30, 2016

END

**El Paso Aero, Inc.**  
Avionics Associates  
7305 Boeing Drive  
El Paso, Texas 79925  
FAA CRS#VL1R562K

N#: CF-RWD  
S/N: E-4009  
Tach: 299.1

Mfg: Beechcraft  
W.O.#: 67834

Model: G-36  
Date: 12/28/16

Page 1 of 1

Drained oil and removed oil filter. Split filter and inspected as ok. Installed new Champion CH48108-1 oil filter, serviced engine with Phillips 20W-50X/C oil. Washed engine, ran and leak checked ok.

Marco Pinedo

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					
Carried forward →					
June 22/17 3230 2091					

LEGGAT AVIATION LTD  
www.leggataviation.com

Beech B36  
C-FRWD

WORK ORDER # 203900

#### Inspection

- Annual inspection carried out referenced CARs 625 B & C and Beech G36 100 hour check list.

#### Resulting from inspection the following maintenance completed:

##### Engine

- Motostat: #1 50/80, #2 66/80, #3 66/80, #4 56/80, #5 62/80 and #6 64/80.
- Oil and filter change carried out. Engine serviced with Phillips 20W50XC oil. Oil sample taken.
- Installed Champion oil filter P/N CH48109-1. Old filter cut open and inspected. No faults found.
- Removed and reinstalled fuel injection nozzles for cleaning and servicing.
- Replaced engine induction air filter P/N P13-7627 installed.
- Replaced #2 cylinder lower spark plug P/N URHB32S installed.
- Replaced ignition lead springs P/N 10-32326 installed.
- Repositioned ignition lead harness for clearance from fuel rail.
- Torqued rocker covers to 25 in lbs.
- Engine ground run, leak and function checked.

##### Airworthiness Directives and Service Bulletins

- CF90-03R2 (Part1) Heat exchanger inspection and pressure tested, no defects noted. Next due @ 473.0 hrs or next annual.
- AD2016-16-12 Cracking and leaking of aluminum cylinder heads, N/A due to affected cylinders not installed.
- AD84-26-02 Paper induction filter replaced P/N P13-7627 installed. Next due @ 823.0 hrs.
- SID97-3G Fuel system port-a-test carried out referenced TCM M-16 Maintenance Manual and TAT ICA.
- SB27-3459R2 Flight control gust lock inspected, no fault found.
- TCM SB13-4C Equipped fuel pumps N/A by part number and S/N of fuel pump installed.
- TAT SI 11-08 Approved spark plugs inspection carried out, replaced #2 cylinder lower spark plug P/N URHB32S installed.

"The described maintenance has been performed in accordance with the applicable airworthiness requirements and performance rules of CAR 571.02".

Signed on behalf of AMO 2.73

END

//Date: June 22, 2017

LEGGAT AVIATION LTD  
www.leggataviation.com

Beech B36  
C-FRWD

WORK ORDER # 204286

#### Engine

- Oil and filter change carried out. Engine serviced with Phillips 20W50XC oil. Oil sample taken.
- Installed Champion oil filter P/N CH48109-1. Old filter cut open and inspected. No faults found.
- Engine ground run, leak and function checked.

"The described maintenance has been performed in accordance with the applicable airworthiness requirements and performance rules of CAR 571.02".

Signed on behalf of AMO 2.73

END

//Date: August 14, 2017

Date	Engine	Ice Record	
		part removal and	thiness Directives,
Columbia Air Services-BHB, LLC 112 Caruso Drive (Hancock County) Bar Harbor Airport - Trenton, ME 04605 CRS#ZKGR483J			
N910BF Beech G-36 9/19/2017 Hobbs 351.7			
I certify that this Engine has been inspected I.A.W. An Annual Inspection and was determined to be in airworthy condition and no defects noted. Inspected using Beech G-36 M/M section 05-20-00 and TAT ICA report 35-6460001. Changed oil & filter, filter insp. was normal no defects noted. Compressions: 1)72/80 2)75/80 3) 74/80 4) 72/80 5) 75/80 6) 76/80. Cleaned all fuel strainers. Cleaned, gapped and tested all plugs. Verified correct installations of Engine STC's.			
Tornado Alley Turbo Inc. SE5222NM I.C.A. 35-6460001 dated 29Sep.2011			
General Aviation Modifications Inc. SE09289SC I.C.A. GAMI Procedure No. IP-97-002 R5 10/05			
Engine run-up for systems and leak checks were good, no defects noted. See AD list for AD verification and compliance.			
Carried forward			
The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance Identified Above was Repaired and Inspected in Accordance with current Regulations of FAA and is Approved for return to Service. Pertinent details of the repair are on file at This Repair Station under RO #4545 Date: 9/19/2017 Signed: [Signature] Columbia Air Services - BHB, LLC 112 Caruso Drive Trenton, ME 04605 FAA Certified Repair Station # ZKGR483J			
Engine Log Book Entry			
Date: 12-28-17 Engine Time: 373.54 645			
Installed P/N: TSP6CYL-2927 preheat system S/N: 52369			
in accordance with Tanis instructions TNP2927 Rev. E			
Installer Name: Jacob Kuhn Jacobs Phil Cert. #AIP 3761712			
TLB0001 REV A			
ENGINE OIL CHANGE			
02-02-2018 Bonanza G36 N910BF S/N E-4002			
Continental IO550B128B S/N 1008149			
Tach. and Total Time 396.4			
Drained oil and removed oil filter, cut and inspected. Removed lower spark plugs, cleaned gapped and tested. Checked induction air filter. Serviced engine with 11 quarts Phillips 20W50 XC oil and CH48109-1. Removed spinner and checked Prop. Test ran and leak checked normal.			
William J. Halpin A&P 3552575			

GIBSON AVIATION SERVICES LLC 715-220-6549

10-5-2018 469.2 hrs Tach ETT 469.2 hrs. Performed an Annual Inspection on this Day. Removed and replaced all cylinder assemblies with Superior New P/N SA52006-A23P mfg date 3/23/2018 #1 S/N 526-C18-33113 #2 S/N 526-C33129 #3 526-C18-33132 #4 S/N 526-C18-33115 #5 526-C18-33130 #6 526-C18-33131. Cylinders were installed with new piston pins Superior P/N SA630046. Changed oil and CH48109-1 oil filter. Verified no abnormal contaminates in old element. Added 11qts of Phillips 20w50 Type M oil. Cleaned gapped and tested all spark plugs. Verified proper mag to engine timing. Cleaned fuel injector nozzles and installed with new seals. Cleaned fuel servo inlet screen. Removed and replaced crankshaft seal with new P/N 641250. Performed engine run up. Leak and ops check good. See AD Compliance sheets. I Certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in an Airworthy condition.

Paul R Gibson IA2657370



11-6-2019 513.6 hrs Hobbs, ETT 513.6 hrs. Performed an Annual inspection on this Day. Performed compression test #1 76/80 #2 74/80 #3 73/80 #4 72/80 #5 76/80 #6 76/80. Changed oil and CH48109-1 oil filter. Verified no abnormal contaminants in old element. Added 11 qts of Phillips 20w50 X/C oil. Verified proper mag to engine timing. Cleaned gapped and tested spark plugs. Cleaned fuel servo inlet screen. Performed engine run up. Leak and ops check good. See Ad Compliance sheets. **I certify that this Engine has been inspected in accordance with an Annual inspection and was to be in an Airworthy condition.**

*Darrel R Gibson*  
Darrel R Gibson IA2657370

*6/04/2020 Hobbs Reads 543.0 Changed engine oil using 10 qts Phillips X/C 20w-50. No oil filter change @ this time. Engine run up, performance and leak ck. satisfactory.*  
*Chadwick J. A&P 482882178 I.A. Roy Aero Service*

wo: WO\_178

Engine - page 1 of 1



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

N910BF

Flight Hobbs: 591.5

TCM, IO-550-B128B, S/N: 1008149

ETT: 591.5

January 4, 2021

1. Performed an Annual Engine Inspection IAW AMM. Researched AD's to date. Removed filter and inspected. No contaminants found. Installed new CH48109-1 filter, torqued and safetied. Added 11qts Phillips X/C20w50. Compressions: #1-74/80, #2-70/80, #3-72/80, #4-70/80, #5-75/80, #6-70/80. Master Orifice, 44/80. 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 with respect to work performed at this date and time. The following discrepancies were addressed:
2. AD20-16-11 Cross-Flow Cylinder Assemblies Integrity DNA by engine model.
3. Tightened intake boot clamps at fuel servo.

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

Aaron Simmons A&P/IA 3592994 *AS*

wo: WO\_536

Engine - page 1 of 1



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

N910BF

Flight Hobbs: 646.3

TCM, IO-550-B128B, S/N: 1008149

ETT: 646.3

February 11, 2022

1. Performed an Annual Engine Inspection IAW AMM. Researched AD's to date. Drained oil and took sample. Removed filter and inspected. No contaminants found. Installed new CH48109-1 filter, torqued and safetied. Added 11qts Phillips X/C20w50. Performed compressions IAW TCM SB03-3. Compressions: #1-72/80, #2-70/80, #3-71/80, #4-69/80, #5-75/80, #6-72/80. Master Orifice, 44/80. Lubed and checked control travels. Removed, cleaned, gapped, tested and re-installed spark plugs. Verified Mag. to engine timing. Lubed wastegate. 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 with respect to work performed at this date and time. The following discrepancies were addressed:
2. Adjusted L/H mag to engine timing to 22 degrees BTDC. Leak and functional check satisfactory.

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

Aaron Simmons A&P/IA 3592994 *AS*

wo: WO\_919

Engine - page 1 of 1

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

N910BF

Flight Hobbs: 678.4

TCM, IO-550-B128B, S/N: 1008149

ETT: 678.4

February 09, 2023

1. Performed an Annual Engine Inspection IAW AMM. Researched AD's to date. Drained oil, removed filter and inspected. No contaminants found. Installed new AA48109 filter, torqued and safetied. Added 11qts Phillips X/C20w50. Performed compressions IAW TCM SB03-3. Compressions: #1-72/80, #2-70/80, #3-70/80, #4-70/80, #5-72/80, #6-64/80. Master Orifice, 44/80. Lubed and checked control travels. Removed, cleaned, gapped, tested and re-installed spark plugs. Verified Mag. to engine timing. Lubed wastegate. 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 with respect to work performed 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, TCM S-1200 mags not installed.
4. Removed both mags and sent to Horizon Aircraft Engine Services for 500hr inspection. Re-installed mags after inspection and timed IAW AMM. Leak and functional check satisfactory. See Horizon W/O#35203.

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

Aaron Simmons A&P/IA 3592994 *AS*

wo: WO\_1478

Engine - page 1 of 1

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

N910BF

Flight Hobbs: 705.9

TCM, IO-550-B128B, S/N: 1008149

ETT: 705.9

January 18, 2024

1. Performed an Annual Engine Inspection on this day. Researched AD's to date. Drained oil and took Blackstone sample. Removed filter and inspected, no contaminants found. Installed new AA48109 filter, torqued and safetied. Serviced with 11qts Phillips X/C20w50. Performed compressions IAW TCM SB03-3. Compressions: #1-74/80, #2-72/80, #3-73/80, #4-74/80, #5-75/80, #6-70/80. Master Orifice, 44/80. Lubed and checked control travels. Removed, cleaned, gapped, tested and re-installed spark plugs. Verified Mag. to engine timing. Lubed wastegate. 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. AD23-09-09 is due at Flight Hobbs:1091.5. V-band clamp previously changed at Flight Hobbs:591.5.
3. Fabricated and installed repair patch on forward R/H engine baffle.

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

Aaron Simmons A&P/IA 3592994 *AS*

wo: WO\_1873

Engine - page 1 of 1

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

N910BF

Flight Hobbs: 728.7

TCM, IO-550-B128B, S/N: 1008149

ETT: 728.7

February 01, 2025

1. Performed an Annual Engine Inspection IAW AMM. Drained oil, removed filter and inspected. No contaminants found. Installed new AA48109 filter, torqued and safetied. Added 11qts Phillips X/C20w50. Performed compressions IAW TCM SB03-3. Compressions: #1-70/80, #2-70/80, #3-70/80, #4-72/80, #5-72/80, #6-70/80. Master Orifice, 44/80. Lubed and checked control travels. Removed, cleaned, gapped, tested and re-installed spark plugs. Verified Mag. to engine timing. Lubed wastegate. 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 with respect to work performed at this date and time. The following discrepancies were addressed:
2. Researched AD's through bi-weekly 2025-02.
3. Adjusted R/H and L/H mag to engine timing to 22 degrees BTDC.
4. C/W AD23-09-09 Inspected per Para. (k)(1)-(7) of this AD. No detects noted. Re-torqued nut. Next inspection due Jan 2026. Replacement is due by Flight Hobbs:1091.5. V-band clamp previously changed at Flight Hobbs:591.5.
5. Textron SEL-71-21 and Continental SB24-03 Continental 100 Amp Alternator DNA per Manufacture date and the alternator has not been Repaired.

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

Aaron Peterson A&P/IA 3190914 *AP*