

N195GF

# ENGINE LOG BOOK





# CONTINENTAL MOTORS, INC

THE OIL PRESSURE ON THIS ENGINE WAS ADJUSTED DURING THE ENGINE ACCEPTANCE TEST AT THE FACTORY. ONLY MINOR ADJUSTMENTS MAY BE NECESSARY TO ASSURE THE PROPER INDICATION ON THE COCKPIT GAUGE. IF THE PRESSURE PICK UP POINT IS DIFFERENT IN THE AIRCRAFT SIGNIFICANT ADJUSTMENT MAY BE REQUIRED.

FACTORY SETTINGS:  
RPM 2700 OIL TEMP 180 OIL PRESSURE 53.4  
OIL PRESSURE PICK UP POINT: ENGINE INLET AT OIL COOLER

655310 Rev. B

Testing Completed

Standard Acceptance Test:

Date of Completion FEB 02 2017 Test Operator (30683)



Continental Motors, Inc.

Form No 98344

announcements. Continental Motors Internet Service contains most current engine instructions for Continued Airworthiness

OPERATOR'S  
DATA SHEET  
PROHIBITED

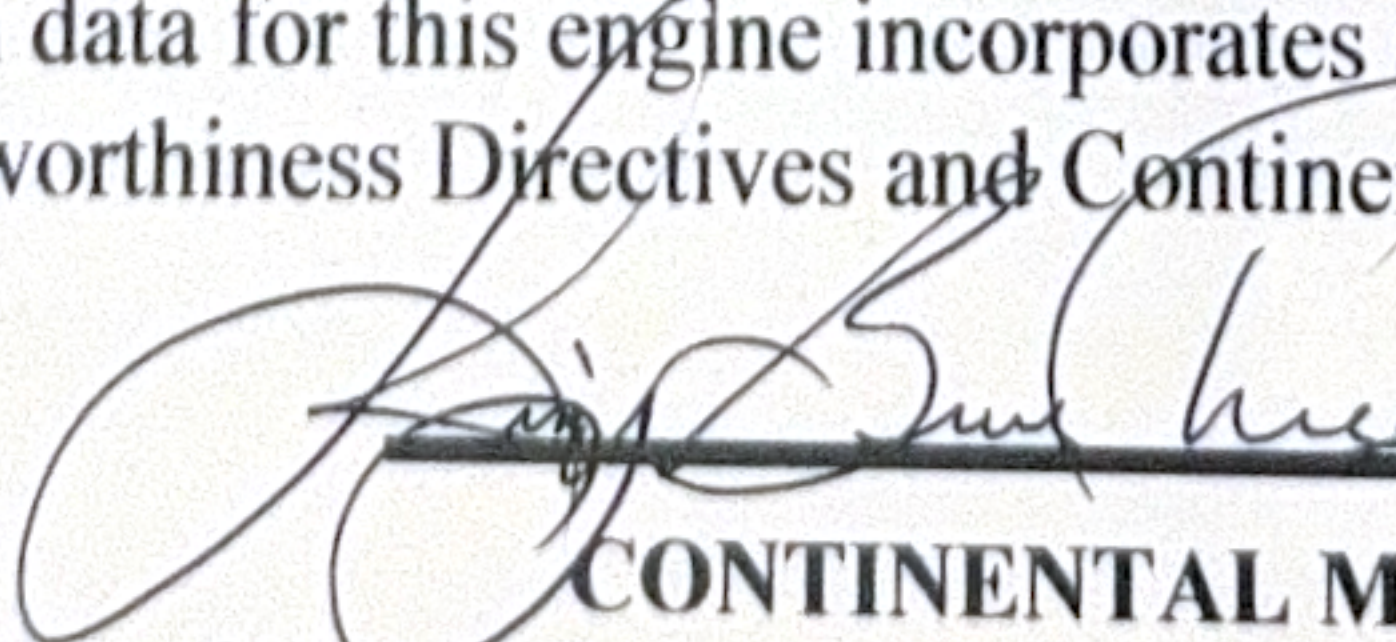
Continental Motors

DATE NO. 508

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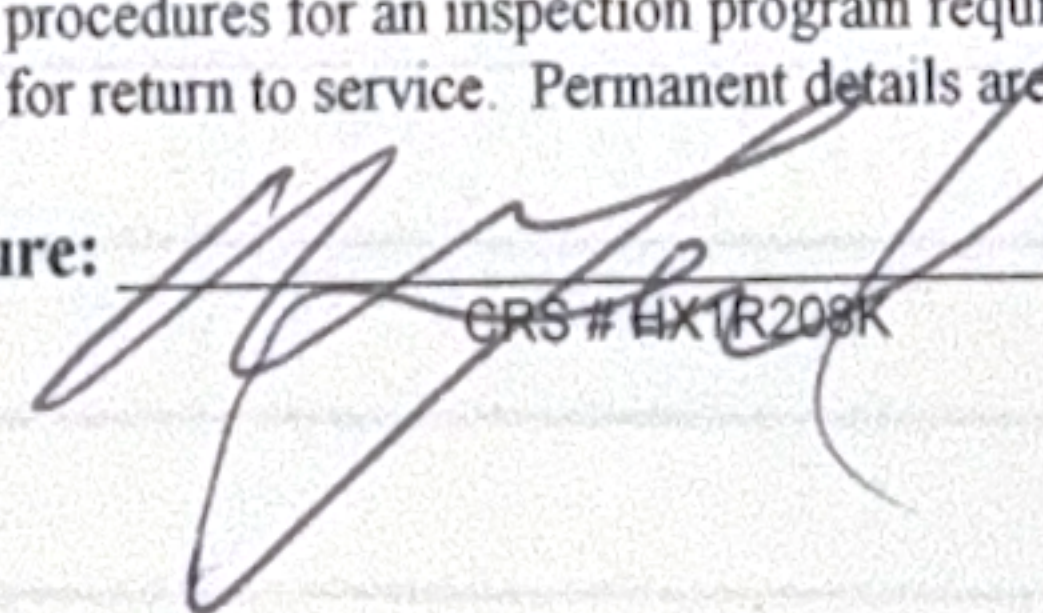
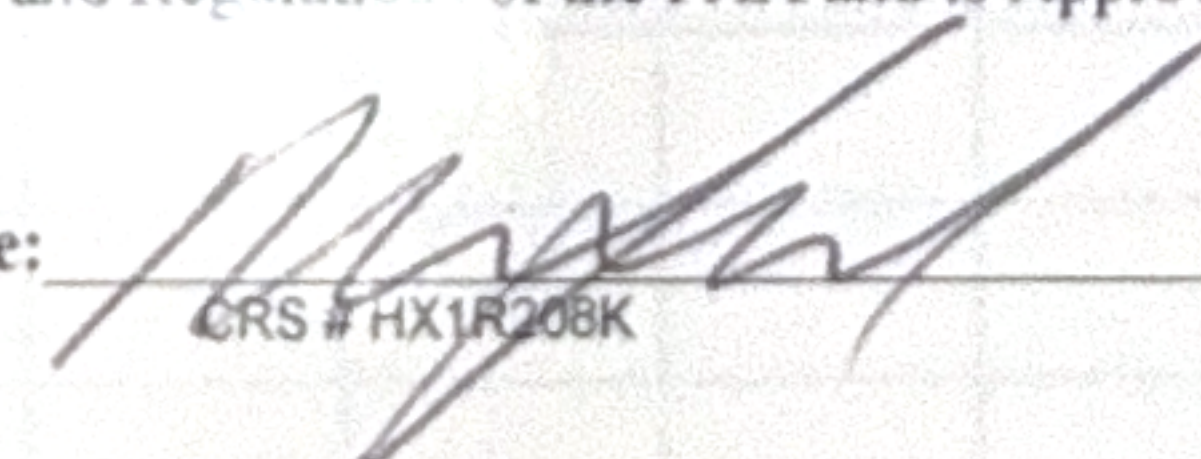
in accordance with

approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

  
CONTINENTAL MOTORS, INC.

Form 6012-03 (Rev Sept 2014)



| Date   | Total Time | Time Since Last Overhaul | Engine Service and Maintenance Record                                    |            |
|--|------------|--------------------------|--|------------|
|  |            |                          | Record maintenance actions including engine part removal and Directives, |            |
| <b>C&amp;W Aero Services, Inc. CRS# HX1R208K</b><br>19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750<br>An Authorized <b>Beechcraft</b> Service Center  |            |                          |  |            |
| WO#: 30911   |            | Hobbs: 1513.7            | Airframe TT: 1513.7  |            |
| Reg. #: N95GF  |            | Engine T.T.: 0.0         | SMOH:  |            |
| Make: Continental  |            | Model: IO-550-B-89B      | Serial #: 1033675  |            |
| <p>1. This engine installed on above referenced aircraft. Prior to Installation: cleaned engine compartment, engine mount and firewall. Inspect engine compartment. Clean and inspect baffling, baffle seals and exhaust system making repairs as required. Inspect engine compartment flex hoses as required. Install baffling and transfer any accessories being used from old engine using new gaskets where required. Replace engine shock mounts. Reinstall engine exhaust system using new exhaust gaskets. Reinstall propeller and governor after Overhaul at Sensenich propeller Services and torque as per manufacturer's Maint. Manual. Service engine with 11 quarts 20W50Xc Type M Phillips oil. Ground run and set up as per manufacturer's recommendations and make any necessary adjustments as per aircraft's maintenance manual and SID97-3F. Recheck oil level after run up and add oil as required to bring to operating level. Recommend that within 5 to 10 hours of operation the exhaust system and hoses be re-torqued and engine compartment be inspected. Do Not Exceed 25 Hours on mineral oil installed in this engine.</p> <p>2. Comply with AD84-26-02 Paper Induction Air Filters. Visual Inspection OK</p> |            |                          |  |            |
| <p>I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.</p> <p>Type Inspection: ANNUAL      Date: 3/10/2017      Authorized Signature:  CRS# HX1R208K</p>   |            |                          |  |            |
| <b>C&amp;W Aero Services, Inc. CRS# HX1R208K</b><br>19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750<br>An Authorized <b>Beechcraft</b> Service Center  |            |                          |  |            |
| WO # 31195   |            | Hobbs: 1513.9            | Aircraft TT:   |            |
| Reg. #: N95Gf  |            | Ser #: E-3642            | Manuf.: Beechcraft   | Model: G36 |
| <p>1. Check oil spray on windshield, found crank shaft seal leaking. Remove propeller, remove crankshaft seal, clean out gland in engine case, found silk thread from sealing crankcase halves running through gland from top half to bottom half, trim off silk thread at each end, clean crankshaft in seal area, fit new seal (P/N 641250) over crankshaft flange and allow to normalize before installing. Apply adhesive to new seal and gland area and install new seal in gland. After adhesive dries and cures reinstall propeller and torque to spec as per Maint. Manual.</p> <p>2. Check rear engine case oil leak. Found oil pressure housing leaking at base. Tighten bolts clean area and run engine to check, still leaking. Remove oil pressure housing, clean and inspect mating surfaces, OK. Reinstall housing using new gasket (P/N MS35769-26) and torque to spec. Clean area and ground run to check for leaks, no further leaking noted.</p>  |            |                          |  |            |
| <p>This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current Manufacturers Maintenance Manuals and Regulations of the FAA and is Approved for Return to Service. Permanent details are on file at this Repair Station.</p> <p>Authorized Signature:  CRS# HX1R208K      Date: 4/11/2017</p>  |            |                          |  |            |



**C&W Aero Services, Inc. CRS# HX1R208K**

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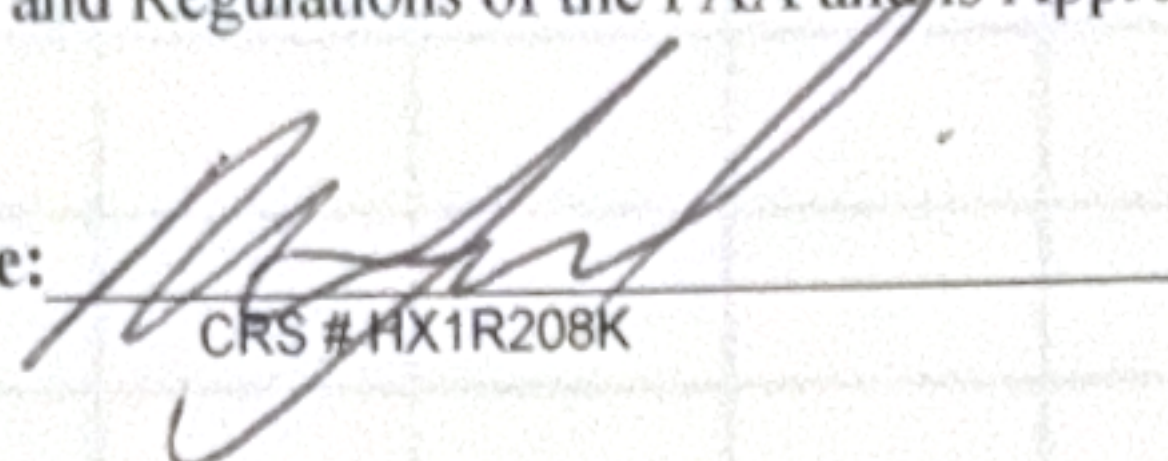
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|               |               |                           |            |
|---------------|---------------|---------------------------|------------|
| WO # 31195    | Hobbs: 1513.9 | Aircraft TT:              | Model: G35 |
| Reg. #: N95Gf | Ser #: E-3642 | Manuf.: <b>Beechcraft</b> |            |

Car

1. Check Hobbs Meter Inop. Remove circuit panel to inspect connections at Hobbs, found all attached. Probed for power, OK. Remove and clean connections, Hobbs function checks OK.
2. Inspect Engine and engine compartment. Retorque exhaust nuts and intake clamps. Check torque on hoses, OK. Install insulation boots on alternator wires (They were out of stock when engine was installed).
3. Wash Aircraft.

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current Manufacturers Maintenance Manuals and Regulations of the FAA and is Approved for Return to Service. Permanent details are on file at this Repair Station.

Authorized Signature: 

CRS # HX1R208K

Date: 4/11/2017

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|                   |                   |                     |
|-------------------|-------------------|---------------------|
| WO#: 31986        | Hobbs: 1572.2     | Airframe TT: 1572.2 |
| Reg. #: N95GF     | Engine T.T.: 58.5 | SMOH: N/A           |
| Make: Continental | Model: IO-550-B   | Serial #: 1033675   |

1. Comply with Annual / 100 Hour Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Collect oil sample and send out for analysis. Service with 11 quarts of Phillips 66 20w-50 X/C oil.

2. Comply with AD84-26-02 Paper Induction Air Filters. Replace filter as per AD. Next Inspection due 1672.2 or 4/2019.

3. Drain portion of engine Induction Air Duct broke off. Remove and replace induction air duct P/N 36-380098-1.

Wash engine compartment with mineral spirits

Ground run up checks OK

Compressions: #1:72/80 #2:66/80 #3:66/80 #4:70/80 #5:76/80 #6:76/80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a) (1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL

Date: 4/9/2018 Authorized Signature: 

CRS # HX1R208K

Record

removal and  
ss Directives,



Date

# **C&W Aero Services, Inc. CRS# HX1R208K**

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Carried forward

|                         |                           |                           |
|-------------------------|---------------------------|---------------------------|
| <b>Reg. #:</b> N95GF    | <b>Make:</b> Beechcraft   | <b>Model:</b> G36         |
| <b>Serial #:</b> E-3642 | <b>Tach/Hobbs:</b> 1602.0 | <b>Total Time:</b> 1602.0 |

Perform 50 Hour Inspection. Change oil and filter. Check Filter for metal and debris, none found. Service with 11 quarts of Phillips 66 20w-50 X/C oil. Take oil sample and send out for analysis. Wash engine compartment with mineral spirits.

Ground run up check OK.

For further details, see Work Order No. 32192

Signed: \_\_\_\_\_

CRS # HX1R208K

Date: 11/16/2018

# **C&W Aero Services, Inc. CRS# HX1R208K**

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|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>WO#:</b> 32953        | <b>Hobbs:</b> 1633.4      | <b>Airframe TT:</b> 1633.4 |
| <b>Reg. #:</b> N95GF     | <b>Engine T.T.:</b> 119.7 | <b>SMOH:</b> N/A           |
| <b>Make:</b> Continental | <b>Model:</b> IO-550-B89B | <b>Serial #:</b> 1033675   |

1. Comply with Annual Inspection. Change oil and filter. Check Filter for metal and debris, none found. Service with 11 quarts of Phillips 66 20w-50 X/C oil.
2. Gather oil sample and send out for analysis.
3. Wash engine compartment with mineral spirits.
4. Ground run up checks OK.
5. Compressions: #1:74/80 #2:70/80 #3:64/80 #4:66/80 #5:74/80 #6:72/80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a) (1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL Date: 4/24/2019 Authorized Signature: \_\_\_\_\_

CRS # HX1R208K

# **C&W Aero Services, Inc. CRS# HX1R208K**

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|                          |                           |                            |
|--------------------------|---------------------------|----------------------------|
| <b>WO#:</b> 33811        | <b>Hobbs:</b> 1667.1      | <b>Airframe TT:</b> 1667.1 |
| <b>Reg. #:</b> N95GF     | <b>Engine T.T.:</b> 153.4 | <b>SMOH:</b> N/A           |
| <b>Make:</b> Continental | <b>Model:</b> IO-550-B    | <b>Serial #:</b> 1033675   |

1. Comply with Annual Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Collect oil sample and send out for analysis. Service with 11 quarts of Phillips 66 20w-50 X/C oil.
2. Comply with AD84-26-02 Paper Induction Air Filters. Visual Inspection OK  
Wash engine compartment with mineral spirits  
Ground run up checks OK  
Compressions: #1:66/80 #2:58/80 #3:56/80 #4:58/80 #5:70/80 #6:68/80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a) (1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL Date: 6/18/2020 Authorized Signature: \_\_\_\_\_

CRS # HX1R208K



# C&W Aero Services, Inc. CRS# HX1R208K

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|                   |                    |                     |
|-------------------|--------------------|---------------------|
| WO#: 34740        | Hobbs: 1716.8      | Airframe TT: 1716.8 |
| Reg. #: N95GF     | Engine T.T.: 203.1 | SMOH: N/A           |
| Make: Continental | Model: IO-550-B    | Serial #: 1033675   |

1. Comply with Annual Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Service with 11 quarts of Phillips 20W50 XC Type M oil.
  2. #6 valve cover gasket leaking badly. Remove baffle to gain access, remove valve cover, clean mating surfaces and replace gasket.
  3. Left muffler deformed from heat. Remove and replace muffler assy.
  4. Wash engine compartment with mineral spirits
- Ground run up checks OK
- Compressions: #1:72/80 #2:52/80 #3:66/80 #4:60/80 #5:72/80 #6:68/80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a) (1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL Date: 7/8/2021 Authorized Signature: 

# C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

An Authorized Beechcraft Service Center

|                   |                    |                     |
|-------------------|--------------------|---------------------|
| WO#: 35739        | Hobbs: 1744.9      | Airframe TT: 1744.9 |
| Reg. #: N95GF     | Engine T.T.: 231.2 | SMOH: N/A           |
| Make: Continental | Model: IO-550-B    | Serial #: 1033675   |

1. Comply with Annual Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Collect oil sample and send out for analysis. Service with 11 quarts of Phillips 20W50 XC Type M oil.
2. Check cylinder #4, compression low, 22/80. Bore scope cylinder found burn exhaust valve. Remove baffling and exhaust to gain access. Remove and replace cylinder P/N 658810A3, new SN: AC21EA788, using new piston pin P/N 630046. Check cylinder #2 compression low, 36/80 leaking out exhaust stake and rings. Bore scope cylinder, exhaust valve looks good but leaking, tried staking valve, still leaking. Remove and replace cylinder P/N 658810A3, new SN: AC21HB475 using new piston pin P/N 630046. Reinstall exhaust and baffling. Seal baffling. Recheck compressions after post Annual run up.
3. While replace cylinders number 2 & 4 both lifters on each cylinder were removed and inspected. Both intake and exhaust valve lifters were pitted but cam lobes were still OK. Remove valve covers, push rods and push rod tubes from other 4 cylinder to be able to remove all lifter. All lifter were pitted but cam lobes

were OK. Replace all lifters. Exhaust lifters P/N 658077 (6 each) and Intake lifters P/N 658088 (6 each). Reinstall push rod tubes, push rods and valve covers using new gaskets as required.

Wash engine compartment with mineral spirits

Ground run up checks OK

Compressions: #1:66/80 #2:78/80 #3:64/80 #4:78/80 #5:72/80 #6:72/80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a) (1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL Date: 7/8/2022 Authorized Signature: 

CRS# HX1R208K

## ce Record

art removal and  
Business Directives,  
1S

Date

Carried forward

C&W  
19 W

WO # 35861  
Reg. #: N95GF

1. First oil change oil fi  
none found. Service  
and hoses for security  
compartment with Mir  
speed and mixture. F
2. "Cooling Fan Fail  
fan cannot come un
3. Check #2 Altern  
over 30 volts. Insp  
be hard to trouble  
monitor and repor

This aircraft, airfram  
Maintenance Manu  
this Repair Station.

Authorized Signa

W  
Re  
Mal

1. Comply  
none fou  
oil. Insta
2. #1  
Wash  
Grou  
Comp

I certify th  
91.409(a)  
Repair Sta  
Type In

Continental IO-550-B S/

Removed and installed  
SE09217SC S/N: 32298  
Completed FAA 337 an  
Test ran engine. Opera

Engine is Approved fo

Jose Capote A&P



Date

**C&W Aero Services, Inc. CRS# HX1R208K**

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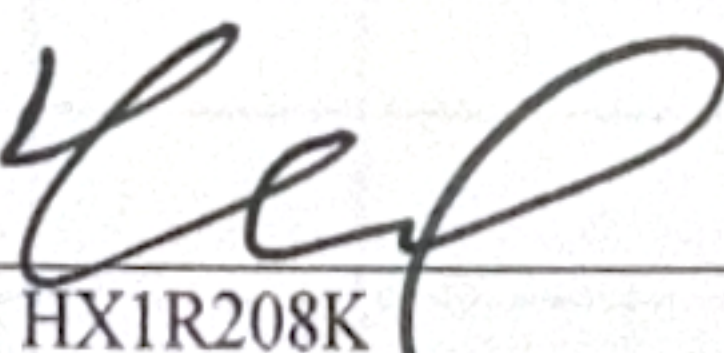
|               |               |                           |            |
|---------------|---------------|---------------------------|------------|
| WO # 35861    | Hobbs: 1766.8 | Aircraft TT: 1766.8       |            |
| Reg. #: N95GF | Ser #: E-3642 | Manuf.: <b>Beechcraft</b> | Model: G36 |

Carried forward

1. First oil change oil filter after engine cylinder work. Cut filter to check for metal, debris or contaminants, none found. Service with 11 quarts 20W50XC oil. Add CamGuard Oil Additive to oil. Check exhaust system and hoses for security. Re-torque all accessible nuts on exhaust system and intake. Wash engine compartment with Mineral Spirits solvent. Ground run to check for leaks, none noted. Check engine idle speed and mixture. Put 2 extra quarts of oil in baggage compartment.
2. "Cooling Fan Fail" message always on. Found fan unplugged, reconnect fan plug and Tywrap wiring so fan cannot come unplugged.
3. Check #2 Alternator will intermittently drop off line. A few times a message came up of #2 Buss voltage over 30 volts. Inspect voltage regulator connection, all OK. Checked with B&C Tech Support, said it would be hard to troubleshoot in the Field unless it was on a Test Bench to monitor voltage drop. Operator to monitor and report back.

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current Manufacturers Maintenance Manuals and Regulations of the FAA and is Approved for Return to Service. Permanent details are on file at this Repair Station.

Authorized Signature:

  
HX1R208K

Date:

8/19/22

**C&W Aero Services, Inc. CRS# HX1R208K**

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|                   |                    |                     |
|-------------------|--------------------|---------------------|
| WO#: 36562        | Hobbs: 1784.8      | Airframe TT: 1784.8 |
| Reg. #: N95GF     | Engine T.T.: 271.1 | SMOH: N/A           |
| Make: Continental | Model: IO-550-B    | Serial #: 1033675   |

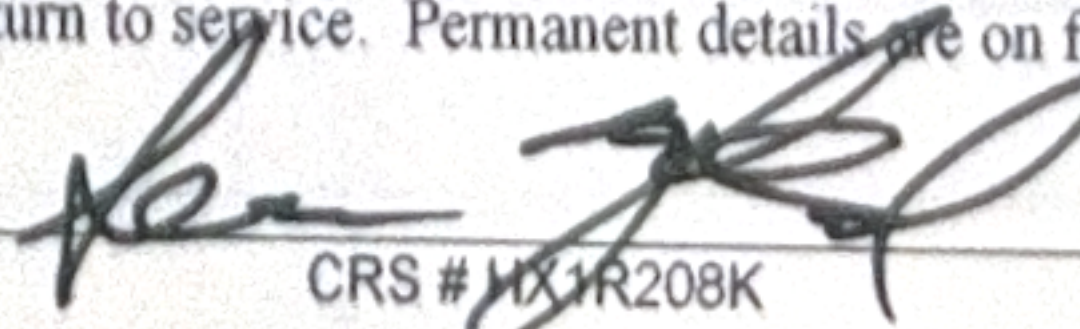
1. Comply with Annual Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Collect oil sample and send out for analysis. Service with 11 quarts of Phillips 66 20w-50 X/C oil. Install Cam Guard additive to oil.
2. #1 Intake tube missing bolt. Found bolt in bottom of cowl, reinstall bolt and torque.  
Wash engine compartment with mineral spirits  
Ground run up checks OK  
Compressions: #1:64/80 #2:74/80 #3:64/80 #4:72/80 #5:64/80 #6:64/80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a) (1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL

Date: 7/28/2023

Authorized Signature:

  
CRS # HX1R208K

Continental IO-550-B S/N 1033675 ENG TACH 1793.2

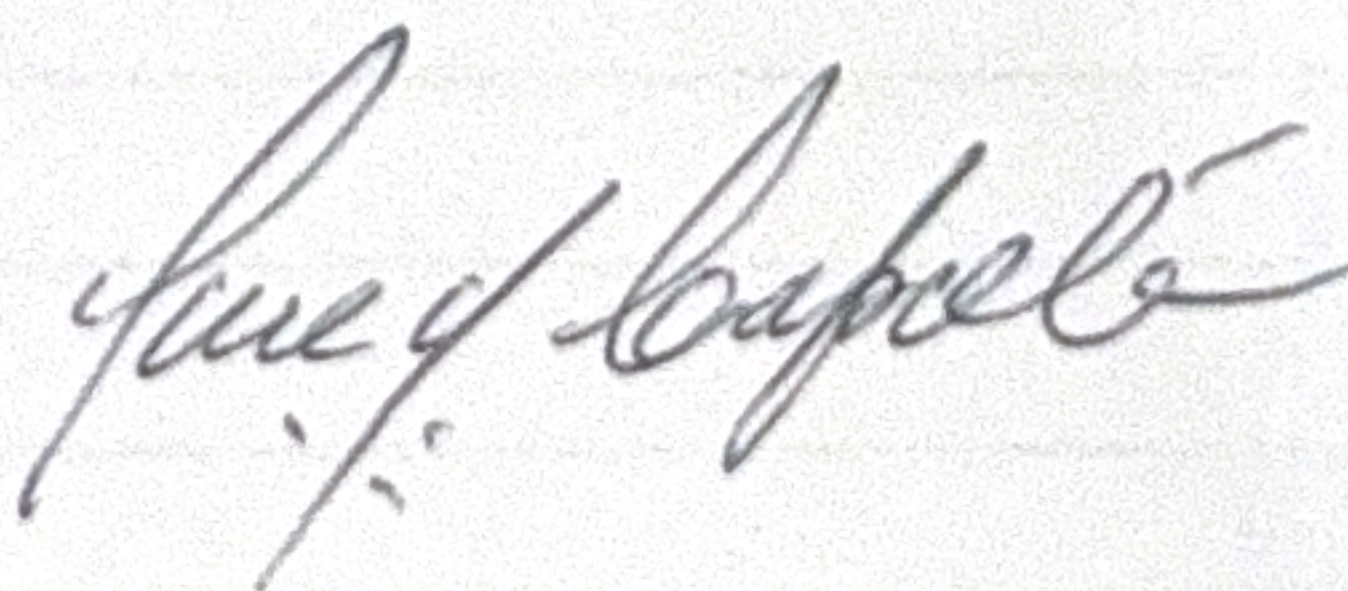
Removed and installed new GAMI Injectors IAW Installation Procedure for TCM IO-550/520/470 Engines No. IP-96-001 Rev 5 dated October 11, 2002. STC# SE09217SC S/N: 32298.

Completed FAA 337 and filed in aircraft records. No significant change to weight and balance.

Test ran engine. Operations check normal.

Engine is Approved for Service.

Jose Capote A&P 267990065 IA Date: 10/10/23 Signature:





Engine Logbook Entry  
N301BZ

Model: TCM IO-550 B-89B

S/N: 1033675

Date : Aug 22, 2024

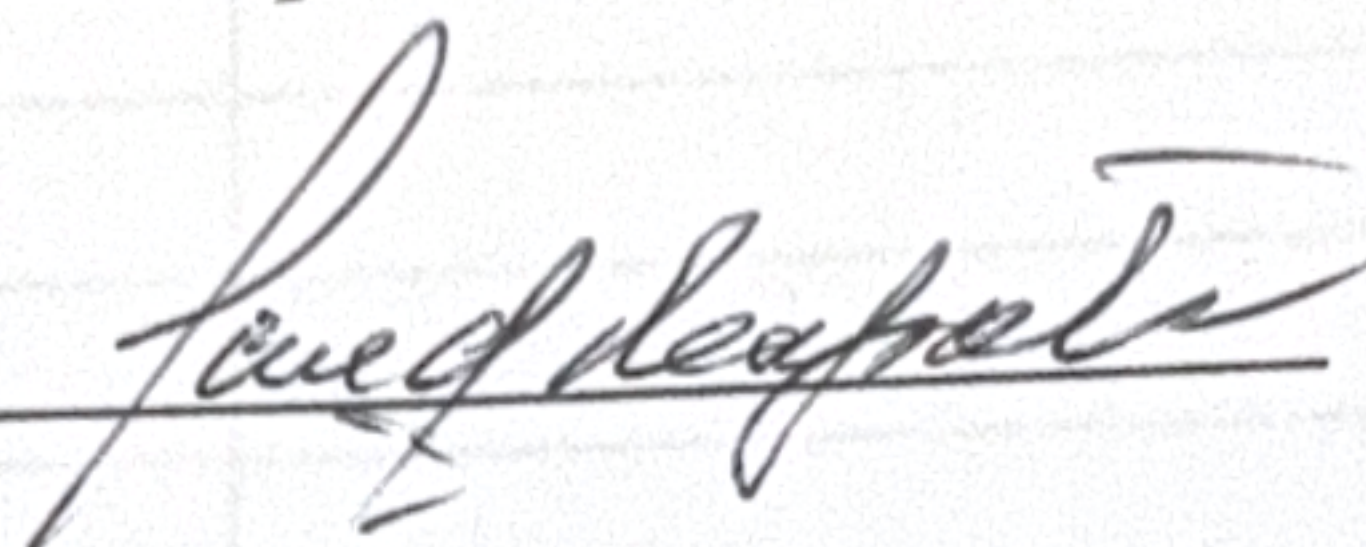
Tach: 1793.2

ETSN: 279.5

Performed compression check with the following resorts #1-74/80 #2-70/80 #3-70/80 #4-71/80 #5-74/80 #6-68/80. Rotated sparkplugs. Cleaned and replaced oil filter gasket with new CP619.

I certify that this engine has been inspected accordance with far 43-appendix (d) (scope and details of item ) 100 Hrs inspection and was determined to be in airworthy condition.

Jose Capote AP IA 267990065



MAKE: BEECHCRAFT  
MODEL: Bonanza  
S/N: E-3642  
REG. NO: N301BZ  
MAKE: CONTINENTAL  
MODEL: IO-550-B-89B  
SN: 1033675

Aviator Zone  
MAINTENANCE

14150 SW 129 ST  
Miami, Florida 33186

W/O #: TMB0001341  
DATE: 08-08-2025  
TACH: 1931.7

Engine Entries

Performed ANNUAL/100 Hr Inspection IAW FAR 43 appendix (d) (scope and detail).

Compression Test: 1#76/80 2#76/80 3#72/80 4#75/80 5#76/80 6#76/80

- Drained oil. Cleaned and reinstalled Challenger oil filter P/N CP48110C and element P/N CP619 using new quad ring P/N CP623

- Replaced oil with 9 Quarts of Phillips 100AW Vendor: Santex Corp Invoice: 234513

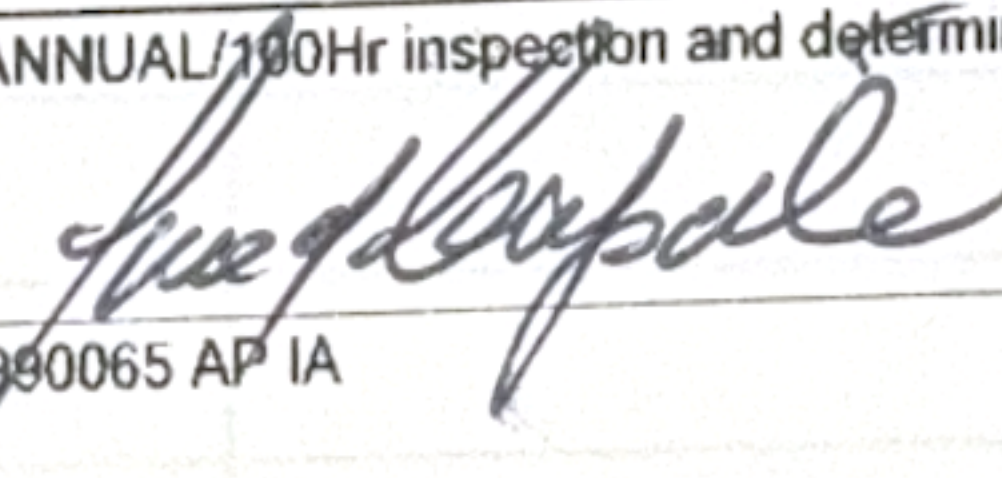
Performed ground run up, all parameters within manufacturer specifications, no discrepancies noted.

I certify that this engine has been inspected IAW ANNUAL/100Hr inspection and determined to be in airworthy condition.

DATE: 08-08-2025

SIGNED:

Jose Capote 267990065 AP IA



WORK ORDER: TMB0001341

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