

N333SM
G34

ENGINE LOG BOOK



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:
 Continental Motors, Inc.
 Factory Service Center
 8600 County Road 32
 Fairhope, AL 36532 USA

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



Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed: 07/20/2017

Test Date: 07/20/2017

This engine model I0550B89B, serial number 1034330 was rebuilt by Continental Motors Inc, in accordance with approved design data and the applicable requirements of 14 CFR, Part 21 and 43 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

 CONTINENTAL MOTORS, INC.

Form 6012-04 (Rev Sept 2014)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
8-30-2017	1457.8		0		Install Continental rebuilt TOS5015 Serial #1034330 in G36 Bronza N333SM. Propeller and propeller spinner overhauled. Standby. All metal inspected all other accessories new from Continental Motors. Ground run, adjust fuel pressure per SIV 97-35. Adjust idle mixture and speed. EVO. <i>Tom Smith AP 3/2/17</i>
10-6-2017	1465				Replace #5 CHT probe and #4 EGT probe. EVO. <i>Tom Smith AP 3/2/17</i>

N333SM

Hobbs 1484
 1/19/2018

Drained oil, cut and inspected filter no contaminants. Installed new filter torqued and safety. Added 11qts X/C 20w-50 oil. Performed ground ops and leak check good. *Shanikho AP 3437625*

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 →					

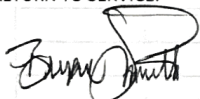
STILLWATER AIRCRAFT SERVICES INC
HANGAR #2 STILLWATER REGIONAL AIRPORT
STILLWATER, OK 74075 405-743-2690

4-20-2018 HR. METER READS 1503.3 PERFORMED ANNUAL INSPECTION THIS DATE. DRAIN OIL, INSPECT FILTER. ADD PHILLIPS X/C 20W50. COMPRESSION TEST #1 76/80 #2 74/80 #3 73/80 #4 72/80

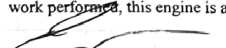
#5 77/80 #6 74/80. INSTALL NEW DRIVE BELT FOR AR CONDITIONING COMPRESSOR P/N 646293-34.00

ULTRASONIC CLEAN FUEL INJECTORS. CLEAN FUEL STRAINER. GROUND RUN ENGINE COMPLY WITH CONTINENTAL SB 97-3E CHECK UNMETERED FUEL PRESSURES, ADJUST IDLE MIXTURE 1/2 TURN RICH FOR SLIGHT RISE AT ICO. PERFORM PROPELLER DYNAMIC BALANCE PER AC20-37E FINAL WEIGHTS 18.4GRAMS @240 DEGREES FINAL READ .03 INCH PER SEC. VIBRATION. END

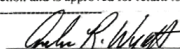
I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

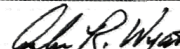


BRYAN SMITH 45.5 SFRM
AP IA 3647847

E. T. Mechanical, L.L.C.					
FAA REPAIR STATION # UEIR803L					
Date:	11/13/18	Make:	TCM	Model:	IO-550-B
S/N:	1034330	Hr Meter:	1534.2	Reg.#:	N333SM
-ENGINE LOGBOOK ENTRY-					
T.S.N. 76.40					
<ul style="list-style-type: none"> • Drained oil and retained an oil sample. Replaced oil filter with new and added twelve quarts of Phillips 20W50-XC engine oil. • Adjusted routing of ignition leads for better clearance. • Engine washed and ground ran with all operations normal and no leaks noted. In regard to the work performed, this engine is approved for return to service. -----END----- 					
 Edward Schwartz President/Inspector CRS# UEIR803L WO# 12978					
5604 Philip J. RHOADS AVE. • HANGAR 3, WILEY POST AIRPORT • BETHANY, OK 73008					

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 →					

E. T. Mechanical, L.L.C.					
FAA REPAIR STATION # UEIR803L					
Date:	5/8/19	Make:	TCM	Model:	IO-550-B
S/N:	1034330	Hr Meter:	1540.9	Reg.#:	N333SM
-ENGINE LOGBOOK ENTRY-					
T.S.N. 0083.1					
A 100 Hour Inspection and all routine servicing was performed accordance with the Beech inspection guide. Performed a compression test.					
<ul style="list-style-type: none"> • Drained oil and retained an oil sample. Replaced oil filter with new and added twelve quarts of Phillips 20W50-XC engine oil. • Replaced the #6 fuel injector line clamp with a new clamp (PN: 626577-2). • Removed, cleaned and reinstalled the fuel injectors. • ADs checked thru issue 2019-09. Engine washed and ground ran with all operations normal. No leaks noted. • I certify that this engine has been inspected in accordance with a 100-Hour Inspection and is approved for return to service this date -----END----- 					
Compression Check: #1: 74 #2: 70 #3: 73 #4: 68 #5: 69 #6: 75					
 Andrew R. Wyatt Chief Inspector (APIA 3104693) CRS# UEIR803L WO# 13131					
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E. T. Mechanical, L.L.C.					
FAA REPAIR STATION # UEIR803L					
Date:	6/24/20	Make:	TCM	Model:	IO-550-B
S/N:	1034330	Hr Meter:	1568.4	Reg.#:	N333SM
-ENGINE LOGBOOK ENTRY-					
T.S.N. 110.6					
A 100 Hour Inspection and all routine servicing was performed accordance with the Beech inspection guide. Performed a compression test.					
<ul style="list-style-type: none"> • Drained oil and retained an oil sample. Replaced oil filter with new and added twelve quarts of Phillips 20W50-XC engine oil. • ADs checked thru issue 2020-13. • Engine washed and ground ran with all operations normal. No leaks noted. • I certify that this engine has been inspected in accordance with a 100-Hour Inspection and is approved for return to service this date -----END----- 					
Compression Check: #1: 74/80 #2: 66/80 #3: 70/80 #4: 60/80 #5: 72/80 #6: 70/80					
 Andrew R. Wyatt Chief Inspector (APIA 3104693) CRS# UEIR803L WO# 13496					
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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 →					

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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

Date: 25/AUG/2021	Make: TCM	Model: IO-550-B
S/N: 1034330	Hr Meter: 1576.6	Reg.#: N333SM

-ENGINE LOGBOOK ENTRY-

T.S.N. 118.8
A 100 Hour Inspection and all routine servicing was performed accordance with the Beech inspection guide. Performed a compression test.

- Complied with Continental Service Bulletin CSB07-01A (Textron SEL-79-03) – Piston Pin Bushing Inspection by draining oil into an Arbor Fabrication stainless steel 1000 micron strainer (PN: 2000) and observing for any fragments, particles or sediment. None were detected. Retained an oil sample and submitted for analysis. Replaced oil filter with new (PN: CH48109-1) and serviced with 12 quarts of Phillips 20W50XC oil.
- Checked applicability of Service Bulletin SB18-04A (Textron SEL-71-10) – Replacement of Continental Motors Flanged Nuts and found it to be not applicable because there are no "ZB" markings on the installed flanged nuts.
- Bled oil line to transducer to eliminate air.
- Removed and reinstalled left baffle tray after repair by Associated Aero Service – Bethany, OK (CRS# SSWR186K).
- Secured snaffle drain line hose clamp.
- Repositioned inter-cylinder baffles to their correct location.
- Replaced accessory drive Garlock seal with new (PN: 25102) and reinstalled standby alternator with a new gasket (PN: 653487). Verified proper operation and no further leakage.
- Tightened all intake coupling clamps.
- Replaced throttle intake coupling duct with new (PN: 36-380098-1).
- ADs checked thru issue 2021-18.

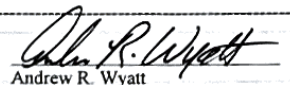
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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

- Engine washed and ground ran with all operations normal and no leaks noted.

I certify that this engine has been inspected in accordance with a 100-Hour Inspection and was determined to be in airworthy condition. -----END-----

Compression Check:		 Andrew R. Wyatt Chief Inspector (AP/IA 3104693) CRS# UEIR803L WO# 13892
#1: 68/80	#2: 66/80	
#3: 68/80	#4: 72/80	
#5: 72/80	#6: 64/80	

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
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Carried forward →					

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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

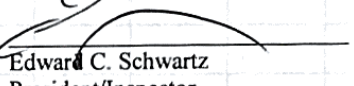
Date: 28/JUN/2022	Make: TCM	Model: IO-550-B
S/N: 1034330	Hr Meter: 1660.40	Reg.#: N333SM

-ENGINE LOGBOOK ENTRY-

T.S.N. 202.60

- Drained oil and retained an oil sample for analysis. Replaced oil filter with new (CH48109-1) and added twelve quarts of Phillips 20W50-XC engine oil.
- Engine washed and ground ran with all operations normal and no leaks noted.

In regard to the work performed, this engine is approved for return to service. -----END-----


Edward C. Schwartz
President/Inspector
CRS# UEIR803L WO# 14242

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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

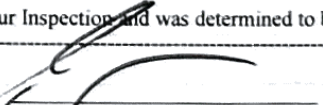
Date: 17/OCT/2022	Make: TCM	Model: IO-550-B
S/N: 1034330	Hr Meter: 1698.6	Reg.#: N333SM

-ENGINE LOGBOOK ENTRY-

T.S.N. 240.8
A 100 Hour Inspection and all routine servicing was performed accordance with the Beech inspection guide. Performed a compression test.

- Drained oil and retained an oil sample for analysis. Replaced oil filter with new (PN: CH48109-1) and serviced with 12 quarts of Phillips 20W50XC oil.
- ADs checked thru issue 2022-21.
- Engine washed and ground ran with all operations normal and no leaks noted.

I certify that this engine has been inspected in accordance with a 100-Hour Inspection and was determined to be in airworthy condition. -----END-----

Compression Check:		 Edward C. Schwartz President/Inspector CRS# UEIR803L WO# 14325
#1: 68/80	#2: 66/80	
#3: 70/80	#4: 59/80	
#5: 74/80	#6: 68/80	

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	
Carried forward →					

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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

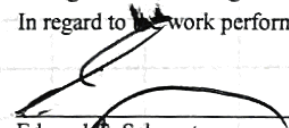
Date: 22/MAR/2023 Make: TCM Model: IO-550-B
S/N: 1034330 Hr Meter: 1741.4 Reg.#.: N333SM

-ENGINE LOGBOOK ENTRY-

T.S.N. 283.60

- Drained oil and retained an oil sample for analysis. Replaced oil filter with new (CH48109-1) and added twelve quarts of Phillips 20W50-XC engine oil. Ref: Ch. 79-00-00 of the G36 AMM.
- Engine washed and ground ran with all operations normal and no leaks noted.

In regard to the work performed, this engine is approved for return to service. -----END-----


Edward C. Schwartz
President/Inspector
CRS# UEIR803L WO# 14459

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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

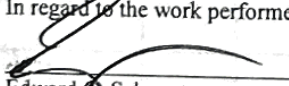
Date: 04/AUG/2023 Make: TCM Model: IO-550-B
S/N: 1034330 Hr Meter: 1789.4 Reg.#.: N333SM

-ENGINE LOGBOOK ENTRY-

T.S.N. 331.60

- Drained oil and retained an oil sample for analysis. Replaced oil filter with new (CH48109-1) and added twelve quarts of Phillips 20W50-XC engine oil. Ref: AMM 12-20-00
- Engine washed and ground ran with all operations normal and no leaks noted.

In regard to the work performed, this engine is approved for return to service. -----END-----


Edward C. Schwartz
President/Inspector
CRS# UEIR803L WO# 14582

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	
Carried forward →					

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E. T. Mechanical, L.L.C.
FAA REPAIR STATION# UEIR803L

Date: 13/NOV/2023 Make: TCM Model: IO-550-B
S/N: 1034330 Hr Meter: 1822.2 Reg.#.: N333SM

-ENGINE LOGBOOK ENTRY-

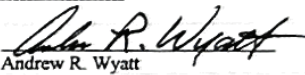
T.S.N. 364.4

A 100 Hour Inspection and all routine servicing was performed in accordance with the Beech inspection guide. Performed a compression test.

- Drained oil and retained an oil sample for analysis. Replaced oil filter with new (PN: CH48109-1) and serviced with 12 quarts of Phillips 20W50XC oil.
- Secured fuel pump cooling blast duct.
- Replaced the oil breather drain hose with new (PN: WAITS-3-14-4).
- Replaced the RH magneto's base gasket with new (PN: 649954) and retimed magneto to engine.
- Replaced the induction air filter with new (PN: AA10-5304).
- ADs checked thru issue 2023-23.
- Engine washed and ground ran with all operations normal and no leaks noted.

I certify that this engine has been inspected in accordance with a 100-Hour Inspection and was determined to be in airworthy condition. -----END-----

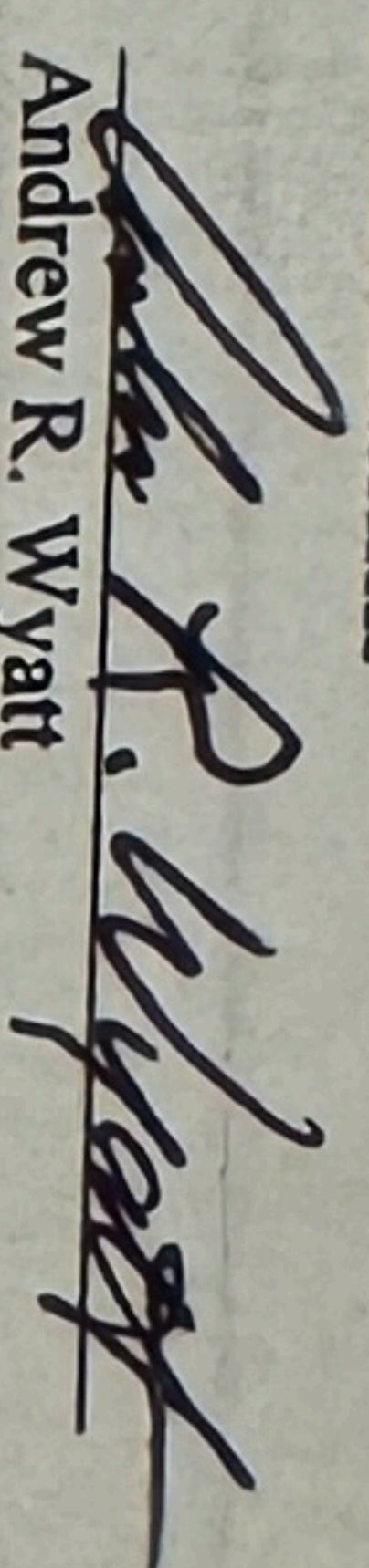
Compression Check:
#1: 66/80 #2: 60/80
#3: 60/80 #4: 69/80
#5: 76/80 #6: 64/80


Andrew R. Wyatt
Chief Inspector
CRS# UEIR803L WO# 14660

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• Engine washed and ground ran with all operations normal and no leaks noted.
I certify that this engine has been inspected in accordance with a 100-Hour Inspection and was determined to be in airworthy condition. -----END-----

Compression Check:
#1: 66/80 #2: 60/80
#3: 60/80 #4: 69/80
#5: 76/80 #6: 64/80

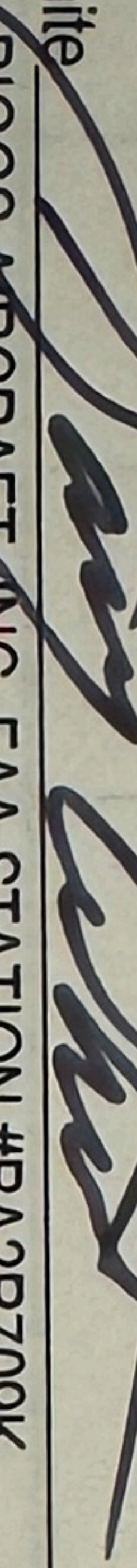

Andrew R. Wyatt
Chief Inspector
CRS# UEIR803L WO# 14660

5604 Philip J. RHOADS AVE. • HANGAR 3, WILEY POST AIRPORT • BETHANY, OK 73008

DATE 10-JUL-2024 Continental Motors IO-550-B S/N 1034330 N333SM
Current Hobbs time: 1859.9 Current Engine Time SNEW 402.1 WO# 4792

01. Complied with Annual/100-hour inspection in accordance with FAR 43 appendix D using Hawker/Beechcraft inspection guide from Beech M/M P/N 36-590001-9: Revision - D1, Revision Date - Mar 1, 2024, chapter 05-20-00. Complied with all ICAs of STC equipment. ADS checked through 2024-13.
 02. Performed Differential cylinder compression test JAW SB03-3
1)74/80 3) 52/80 5) 74/80 2) 67/80 4) 62/80 6) 70/80
 03. Complied with Continental Motors Inc. 50- and 100-hour inspections of IO-550-B engine in accordance with M16 change 2 chapter 6.
 04. Performed 50 hour/6-month oil change. Installed new AA48109 filter and serviced with eleven quarts Phillips X/C 20W50 oil. The leak check was satisfactory.
 05. Installed twelve new URRHB32E spark plugs in accordance with SIL-03-2B.
- Engine ground run and leak checked ok. Aircraft flown and operational check performed per FAR 91.407b.

I certify that with respect to the work performed this Engine was inspected in accordance with current regulations. Only those items specified in work order have been inspected, found to be airworthy and approved for returned to service. No other representations concerning airworthiness are expressed or implied. Pertinent details are on file at the agency under work order #4792 dated 10-JUL-2024.

Signed: Gary White  Inspector for
BIGGS AIRCRAFT, INC. FAA STATION #BA2R709K
336893 E 930 RD - WELLSTON, OKLAHOMA 74881 / PHONE (405) 258-2965

Biggs Aircraft INC CRS# BA2R709K

Private Airstrip - 8 miles West of
Chandler, Oklahoma
Identifier 43 OK
Phone: 405-258-2965
Fax: 405-258-3016
biggsair@yahoo.com

~~BIGGS AIRCRAFT~~