

# ENGINE LOG BOOK



## 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 and service documents 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  
1-251-436-8299 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, Alabama 36532 USA

**USE ONLY FUEL SPECIFIED IN OPERATOR'S  
MANUAL OR TYPE CERTIFICATE DATA SHEET  
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



# Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508


Printed:09/18/2017

Test Date:09/16/2017

This engine model I0550C49B, serial number 1034605 was manufactured by Continental Motors, Inc. 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.**

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	

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358* 

**Right Engine Maintenance Entry**      **N328M**      **October 27, 2017**  
**Continental IO-550-C31**      **S/N: 1034605**      **Hobbs: 1796.3 TSN: 0.0**


**Maintenance Actions**

- 1) Installed D'Shannon Aviation baffling kit sn D4992 per STC SA09220SC reissue date June 17, 2011.
- 2) Installed engine with new Lord mounts pn J10778-16 and new Teflon flammable fluid hose kit pn BE 58-2R from Precision Hose Technology, Tulsa, OK.
- 3) Reinstalled exhaust system after inspection and repair by Dawley Aviation FAA CRS NJ5R069N, sales order 108279 dated 10/23/17.
- 4) New exhaust brackets pn 96-950013-9 and 96-640012-5.
- 5) Reinstalled propeller pn PHC-J3YF-2UF sn ED4445B after overhaul by First Flight Propeller, LLC FAA CRS FG7R547X on work order 2295 dated 10/12/17.
- 6) Installed new deice brush block pn RA2171.
- 7) Ground ran engines and set fuel systems per Continental SD97-3

Work performed by Charles R. Hopper, David C. Entrekin and R. G. Sheridan Stephen Brent Duncan.



Charles R. Hopper  
AP 3564582

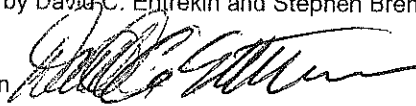
*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358* 

**Right Engine Maintenance Entry**      **N328M**      **January 24, 2018**  
**Continental IO-550-C31**      **S/N: 1034605**      **Hobbs: 1814.6 TSN: 18.3**

**Maintenance Actions**

- 1) Drained oil and removed filter. Oil sample taken mid stream. Inspected filter with no metal noted. Installed new CH48108-1 oil filter and safetied. Serviced engine sump with 11 quarts Phillips X/C 20W50 engine oil and one bottle of Camguard. Washed engine. Ground ran. No leaks noted

Work performed by David C. Entrekin and Stephen Brent Duncan.



David C. Entrekin  
AP 3398557

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358* 

**Right Engine Maintenance Entry**      **N328M**      **April 16, 2018**  
**Continental IO-550-C31**      **S/N: 684473**      **Hobbs: 1824.9 TSN: 38.6**

**Maintenance Actions**

- 1) Performed 100 hr/annual inspection/maintenance in accordance with Hawker Beechcraft Corp. Baron 58 Maintenance Manual Inspection Checklist.
- 2) Performed Differential Compression Check. Results as follows: 1) 75/80, 2) 76/80, 3) 76/80, 4) 74/80, 5) 75/80, 6) 75/80 (MOT 45/80).
- 3) Installed new BA-7705 induction air filter.
- 4) Changed oil and filter. Serviced with 12 quarts Phillips 20W50 XC and one each Champion CH48108-1 filter. Cut open and inspected filter, no metal found.

Work performed by Charles R. Hopper, David C. Entrekin and R. G. Sheridan.

Performed ground run and operational checks. No defects noted at this time. This engine has been inspected in accordance with a **100 HOUR INSPECTION**, in conjunction with an annual inspection, and was determined to be in an airworthy condition.



David C. Entrekin  
AP 3398557

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	

Carried


*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358* 

**Right Engine Maintenance Entry**      **N328M**      **October 11, 2018**  
**Continental IO-550-C31**      **S/N: 1034605**      **Hobbs: 1864.9 TSN: 68.6**

**Maintenance Actions**

- 1) Drained oil and removed filter. Oil sample taken mid stream. Inspected filter with no metal noted. Installed new CH48108-1 oil filter and safetied. Serviced engine sump with 11 quarts Phillips X/C 20W50 engine oil and one bottle of Camguard. Washed engine. Ground ran. No leaks noted

  
 Stephen Brent Duncan  
 AP 3735203

*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358* 

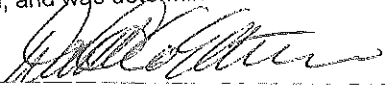
**Right Engine Maintenance Entry**      **N328M**      **May 10, 2019**  
**Continental IO-550-C31**      **S/N: 684473**      **Hobbs: 1892.3 TSN: 96.3**


**Maintenance Actions**

- 1) Performed 100 hr/annual inspection/maintenance in accordance with Hawker Beechcraft Corp. Baron 58 Maintenance Manual Inspection Checklist.
- 2) Performed Differential Compression Check. Results as follows: 1) 72/80, 2) 70/80, 3) 74/80, 4) 70/80, 5) 70/80, 6) 72/80.
- 3) Installed new BA-7705 induction air filter.
- 4) Changed oil and filter. Serviced with 12 quarts Phillips 20W50 XC and one each Champion CH48108-1 filter. Cut open and inspected filter, no metal found.

Work performed by Charles R. Hopper, David C. Entekin and Stephen Brent Duncan.

Performed ground run and operational checks. No defects noted at this time.  
 This engine has been inspected in accordance with a **100 HOUR INSPECTION**, in conjunction with an annual inspection, and was determined to be in an airworthy condition.

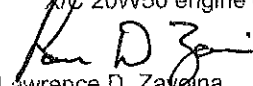


*Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358* 

**Right Engine Maintenance Entry**      **N328M**      **October 24, 2019**  
**Continental IO-550-C31**      **S/N: 1034605**      **Hobbs: 1922.7 TSN: 96.3**

**Maintenance Actions**

- 1) Drained oil and removed filter. Oil sample taken mid stream. Inspected filter with no metal noted. Installed new CH48108-1 oil filter and safetied. Serviced engine sump with 12 quarts Phillips X/C 20W50 engine oil. Washed engine. Ground ran. No leaks noted

  
 Lawrence D. Zavaina  
 AP 250965638

Date


Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358  
Right Engine Maintenance Entry N328M May 19, 2020  
Continental IO-550-C31 S/N: 684473 Hobbs: 1944.4 TSN: 148.4

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and  
ves,

Carried forward

- Maintenance Actions**
- 1) Performed 100 hr/annual inspection/maintenance in accordance with Hawker-Beechcraft Corp. Baron 58 Maintenance Manual Inspection Checklist.
  - 2) Performed Differential Compression Check. Results as follows: 1) 76/80, 2) 70/80, 3) 70/80, 4) 74/80, 5) 73/80, 6) 75/80.
  - 3) Installed new BA-7705 induction air filter.
  - 4) Drained engine oil. Removed filter and inspected with no metal noted. Installed new Champion CH48108-1 filter and saftied. Serviced with 12 quarts Phillips 20W50 XC.
  - 5) Work performed by Charles R. Hopper, David C. Entekin and Stephen Brent Duncan.

Performed ground run and operational checks. No defects noted at this time.  
This engine has been inspected in accordance with a **100 HOUR INSPECTION**, in conjunction with an annual inspection, and was determined to be in an airworthy condition.

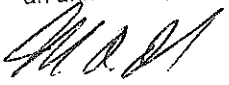
  
Charles R. Hopper  
AP/IA 3564582

Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358  
Right Engine Maintenance Entry N328M May 4, 2021  
Continental IO-550-C31 S/N: 684473 Hobbs: 1973.4 TSN: 1973.4 TSO:187.1

- Maintenance Actions**
- 1) Performed 100 hr/annual inspection/maintenance in accordance with Hawker Beechcraft Corp. Baron 58 Maintenance Manual Inspection Checklist.
  - 2) Performed Differential Compression Check (MOT 43/80). Results as follows: 1) 74/80, 2) 78/80, 3) 68/80, 4) 74/80, 5) 66/80, 6) 68/80.
  - 3) Installed new BA-7705 induction air filter.
  - 4) Drained engine oil. Removed filter and inspected with no metal noted. Installed new Champion CH48108-1 filter and saftied. Serviced with 12 quarts Phillips 20W50 XC.

Work accomplished by: Elliott Sanders and Mark A. Ochs.

Performed ground run and operational checks. No defects noted at this time.  
This engine has been inspected in accordance with a **100 HOUR INSPECTION**, in conjunction with an annual inspection, and was determined to be in an airworthy condition.

  
Mark A. Ochs  
AP/IA 324663586

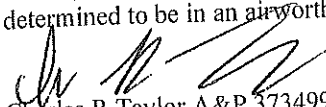
Madison Air, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-1960

Engine Maintenance Entry N328M 5/1/22 RIGHT  
TCM IO-550-C49B S/N: 684473 Tach: 1998.4 SMOH: 212.1

Performed engine compression test 1) 78/80-2) 78/80 3) 75/80 4) 74/80 5) 76/80 6) 72/80. Timed magnetos to 23\* before TDC. Cleaned gapped and inspected spark plugs. Drained engine oil collected sample and inspected oil filter. Filter OK. Installed new CH48108-1 filter and serviced engine with 1 lqts Philips X/C 20W-50 oil. Installed new BA-7705 engine air filters. OPS check all engine controls.

Performed Annual Inspection in accordance with TCM IO-550 Service Manual. Performed ground run and operational checks. No defects noted at this time.

I certify this Engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

  
Charles R Taylor A&P 3734996 IA

Madison Air, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-1960

Engine Maintenance Entry N328M 5/12/23 RIGHT  
TCM IO-550-C49B S/N: 684473 Tach: 2019.2 SMOH: 223.2

nce Record

Performed engine compression test 1) 70/80 2) 70/80 3) 60/80 4) 65/80 5) 60/80 6) 68/80. Verified magneto timing. Cleaned gapped and inspected spark plugs installed 2 new RHB 32S plugs in #6 cylinder. Drained engine oil collected sample and inspected oil filter. Filter OK. Installed new AA48108-2 filter and serviced engine with 11qts Philips X/C 20W-50 oil. Installed new BA-7705 engine air filters Installed new exhaust bracket P/N 96-950013-9. OPS check all engine controls.

Performed Annual Inspection in accordance with TCM IO-550 Service Manual. Performed ground run and operational checks. No defects noted at this time.

I certify this Engine has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an airworthy condition.

*[Signature]*  
Charles R Taylor A&P 37349961A

Madison Air, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-1960

Maintenance Entry N328M 1/05/24  
Tach: 2032.0

Installed new vacuum pump P/N AA442CW-12 S/N 17JY03 on the right engine. Installed 2 new G-35. OPS check good.

*[Signature]*  
Austin T. Prejean A&P 4558182

1-4-24 N328M Hobbs: 2032.0

1. Approving Civil Aviation Authority / Country FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3. AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number AA117JY-0000	
4. Organization/Name and Address YV4R688M FAA-PMA PQ1206CE Aero Accessories, LLC 2208 Air Park Drive, Burlington, NC 27215				5. Work Order / Contract / Invoice Number 117JY-0000		
6. Item 1	7. Description Dry Air Pump	8. Part Number AA442CW-12	9. Quantity 1	10. Serial Number 17JY03	11. Status / Work OVERHAUL	
12. Remarks OVERHAULED IN ACCORDANCE WITH THE FOLLOWING FAA APPROVED PROCESS(ES): 203-6-1009 Rev. B dated 05/23/2008 CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NUMBER EASA.145.5682						
14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return To Service <input checked="" type="checkbox"/> Other Regulation Specified in Block 12						
Certifies that unless otherwise specified in block 12, then work identified in block 11 and described in block 12 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.						
14b. Authorized Signature <i>Kim Char</i>				14c. Approval/Certificate No. YV4R688M		
14d. Name (Typed or Printed) Kim Char				14e. Date (dd/mm/yyyy) 18/Dec/2023		
User / Installer Responsibility						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA FORM 8130-3 (2-14)				NSN 0052-00-012-9005		




SELECT AVIATION SERVICES LLC/LUKETAIVIOUS AVIA Aircraft: BEECH  
 Altn: BREWER PEARSON S/N: TH1992  
 132 ADDERLY BLVD Tail No.: N328M-RH

Date: 12/5/2024  
 Engine S/N: 1034605  
 Engine Model: CONT. 550

MADISON MS 39110  
 United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See [www.avlab.com/explain](http://www.avlab.com/explain) for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Elevated		High
Sample Date: 11/27/2024 Analysis Date: 12/4/2024 Sample Number: P35 Cylinder Type: steel  TSN/TSO: 236.7 Oil Hours: 13.5 Filter Hours: 13.5 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	43.7 (41.2)	2.3 (4.4)	0.7 (5.8)	3.0 (7.1)	N/A	N/A	7.2 (6.9)	1052 (2703)	< 0.1 (5.0)	N/A	< 0.1 (0.1)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														

PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Elevated		High
Sample Date: 3/28/2022 Analysis Date: 5/13/2022 Sample Number: P30 Cylinder Type: steel  TSN/TSO: 212 Oil Hours: unknown Filter Hours: 2 Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	18.4 (N/A)	2.6 (N/A)	1.3 (N/A)	4.0 (N/A)	N/A	N/A	5.3 (N/A)	1580 (N/A)	6.0 (N/A)	N/A	< 0.1 (N/A)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: OIL HOURS NOT GIVEN. PLEASE INCLUDE ALL INFORMATION WITH ALL SAMPLES FOR ACCURATE ANALYSIS RESULT INTERPRETATION AND WEAR METAL TREND MONITORING. ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														