

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 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:09/28/2017

Test Date:09/27/2017


This engine model I0550C49B, serial number 1034576 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.

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	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


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


Left Engine Maintenance Entry N328M October 27, 2017
Continental IO-550-C49B S/N: 1034576 Hobbs: 1796.3 Engine TTSN: 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 58-2L 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) Reinstalled propeller pn PHC-J3YF-2UF sn ED446B after overhaul by First Flight Propeller, LLC FAA CRS FG7R547X on work order 2294 dated 10/12/17.
- 5) Ground ran engine and set fuel system per Continental SD97-3, no leaks noted.

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


Charles R. Hopper
AP 3564582

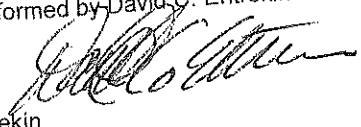
Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 


Left Engine Maintenance Entry N328M January 24, 2018
Continental IO-550-C49B S/N: 1034576 Hobbs: 1814.6 Engine TTSN: 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. Entekin and Stephen Brent Duncan.


David C. Entekin
AP 3398557

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

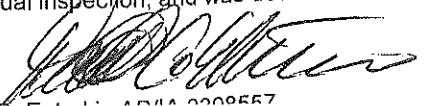
Left Engine Maintenance Entry N328M April 16, 2018
Continental IO-550-C31 S/N: 684472 Hobbs: 1824.9 Engine TTSN: 38.6

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: Left engine: 1) 76/80, 2) 76/80, 3) 72/80, 4) 74/80, 5) 75/80, 6) 75/80. (MOT 45/80).
- 3) 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.
- 4) Installed new BA-7705 induction air filter.

Work accomplished by: Charles R. Hopper, David C. Entekin, Stephen Brent Duncan and R. G. Sheridan.


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


David C. Entekin
AP 3398557

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

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

Left Engine Maintenance Entry N328M October 11, 2018
 Continental IO-550-C49B S/N: 1034576 Hobbs: 1864.9 Engine TTSN: 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 

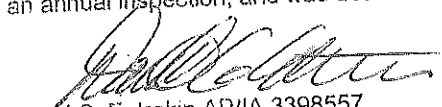
Left Engine Maintenance Entry N328M May 10, 2019
 Continental IO-550-C31 S/N: 684472 Hobbs: 1892.3 Engine TTSN: 96.3


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: Left engine: 1) 76/80, 2) 66/80, 3) 74/80, 4) 70/80, 5) 77/80, 6) 76/80.
- 3) 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.
- 4) Installed new BA-7705 induction air filter.
- 5) Installed new R33395 air conditioner belt.

Work accomplished by: Charles R. Hopper, David C. Entrekin and Stephen Brent Duncan.

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

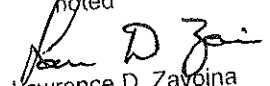

 David C. Entrekin AP/IA 3398557

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

Left Engine Maintenance Entry N328M October 24, 2019
 Continental IO-550-C49B S/N: 1034576 Hobbs: 1922.7 Engine TTSN: 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 and one bottle of Camguard. Washed engine. Ground ran. No leaks noted


 Lawrence D. Zavoina
 AP 250965638

Date

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

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Left Engine Maintenance Entry N328M May 20, 2020
Continental IO-550-C31 S/N: 684472 Hobbs: 1944.4 Engine TTSN: 148.4


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lives,

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: Left engine: 1) 64/80, 2) 70/80, 3) 70/80, 4) 72/80, 5) 75/80, 6) 75/80.
- 3) Drained engine oil. Removed filter and inspected with no metal noted. Installed new Champion CH48108-1 filter and saffied. Serviced with 12 quarts Phillips 20W50 XC.
- 4) Installed new BA-7705 induction air filter

Work accomplished by: Charles R. Hopper, David C. Entekin and Lawrence D. Zavoina

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


Charles R. Hopper
AP/IA 3584582

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

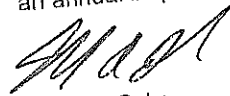
Left Engine Maintenance Entry N328M May 4, 2021
Continental IO-550-C31 S/N: 684472 Hobbs: 1973.4 Engine TTSN: 177.4

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) 64/80, 2) 64/80, 3) 75/80, 4) 64/80, 5) 77/80, 6) 68/80.
- 3) Drained engine oil. Removed filter and inspected with no metal noted. Installed new Champion CH48108-1 filter and saffied. Serviced with 12 quarts Phillips 20W50 XC.
- 4) Installed new BA-7705 induction air filter.

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 an **100 HOUR INSPECTION**, in conjunction with an annual inspection, and was determined to be in an airworthy condition. END.


Mark A. Ochs
AP/IA 324663586

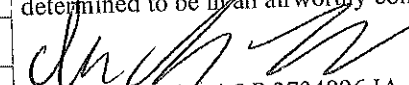
Madison Air, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-1960

Engine Maintenance Entry N328M 5/1/22 Left
TCM IO-550-C49B S/N: 1034576 HOBBS: 1998.4 TSN: 202.4

Performed engine compression test 1) 62/80 2) 68/80 3) 78/80 4) 72/80 5) 79/80 6) 79/80. 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 11qts Phillips 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


Engine Maintenance Entry N328M 5/12/23 LEFT
TCM IO-550-C49B S/N: 1034576 HOBBS: 2019.2 TSMOH: 223.2

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etins

Performed engine compression test 1) 55/80 2) 60/80 3) 70/80 4) 62/80 5) 78/80 6) 62/80. Verified magneto timing. Cleaned gapped and inspected spark plugs. Drained engine oil collected sample and inspected oil filter. Filter OK. Installed new AA48108-2 filter and serviced engine with 11 qts Phillips 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

→ HAWKINS SERVICE CENTER →
JACKSON, MISSISSIPPI

N328M Lt. Engine Date 1-15-2025 TSN 236.4 Hm 2032.7

Compression check (1) 60/80 (2) 63/80 (3) 70/80 (4) 75/80 (5) 76/80 (6) 70/80. Changed oil and filter. Inspected oil filter. No metal found. Serviced engine with 12 qts Phillips 20W50 X/C oil. Cleaned and gapped spark plugs. Fuel strainer cleaned. Magneto timing checked and adjusted. Pressure tested exhaust system. Brackett filter element replaced p/n BA-7705. Adjusted AC compressor belt tension. Engine washed and ground ran. Operational checks OK. No leaks noted.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Sheldon A Burgess A&P 2159379 IA 

SELECT AVIATION SERVICES LLC/LUKETAVIOUS AVIA Aircraft: BEECHCRAFT
Attn: BREWER PEARSON S/N: TH-1992
132 ADDERLY BLVD Tail No.: N328M-LH

Date: 12/5/2024
Engine S/N: 1034576
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 for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 11/27/2024 Analysis Date: 12/4/2024 Sample Number: P55 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.		
	22.6 (41.2)	2.3 (4.4)	1.4 (5.8)	4.8 (7.1)	N/A	N/A	5.9 (6.8)	1125 (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.										Normal	Elevated	High
Sample Date: 4/24/2023 Analysis Date: 5/4/2023 Sample Number: P20 Cylinder Type: steel TSN/TSO: 223.2 Oil Hours: 20.8 Filter Hours: 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.		
	36.8 (42.1)	2.8 (5.2)	2.6 (7.5)	7.9 (8.7)	N/A	N/A	9.6 (7.6)	1667 (3428)	5.2 (5.6)	N/A	0.2 (0.2)	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 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 3/29/2022 Analysis Date: 4/26/2022 Sample Number: P63 Cylinder Type: steel TSN/TSO: 202.4 Oil Hours: 50 Filter Hours: 50 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.		
	40.6 (52.5)	4.5 (8.1)	3.6 (9.5)	11.1 (12.8)	N/A	N/A	10.4 (8.4)	2770 (5623)	7.3 (6.5)	N/A	< 0.1 (0.4)	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.														