



CONTINENTAL

A E R O S P A C E T E C H N O L O G I E S

N18BG

ENGINE LOG BOOK

Service Information

Consult the Continental web site at <http://www.continental.aero> for engine related news or announcements. The web site contains useful information for Continental engine owners, including service information and illustrated parts catalogs.

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 for International customers

Warranty Information

This product is covered by Continental Aerospace Technologies™ product warranty. To read or download a copy for your records, please visit the Product Warranty page on our web site at: <http://www.continental.aero/services/warranty.aspx> or scan the QR Code to the right to navigate to the page:



Instructions for Continued Airworthiness

For complete access to the engine Instructions for Continued Airworthiness, Illustrated Parts Catalogs, Service Documents, Technical Briefs, company news, and upcoming events, please take a few moments to register the serial number of your engine on our web site: <http://www.continental.aero/services/owner-registration.aspx> or scan the QR Code to the right to navigate to the page:



Engine Returns

Return engines for core credit with this log book to:

Continental Aerospace Technologies
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Continental Services
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: 09/25/2023

Test Date: 09/25/2023

This engine model I0550N7B, serial number 1045957
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.

CONTINENTAL MOTORS, INC.

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

Date: 11/8/2023

Tach: 0

SMOH: 0

Installed engine model IO550N7B, serial number 1045957, into Lancair N18BG IAW Continental Maintenance Manual. Drained storage oil and replaced with 6qts AeroShell 100 Mineral Oil. Installed Tempest AA48109 oil filter. Installed associated cables, probes, hardware, and hoses. Installed Saf-Air oil sump quick drain. Ops check, normal.

Sean Tommervik

Date: 11/27/2023

Tach: 12

SMOH: 12

Drained oil and replaced with 6qts AeroShell 100 Mineral Oil. Replace Tempest AA48109 oil filter. Collected oil sample and submitted for analysis. Washed engine. Ops check, normal.

Sean Tommervik

Date: 3/24/2024

Tach: 25

SMOH: 25

Drained oil and replaced with 6qts AeroShell 100W Oil. Replace Tempest AA48109 oil filter. Collected oil sample and submitted for analysis. Removed oil cooler door. Washed engine. Ops check, normal.

Sean Tommervik

Date: 5/9/2024

Tach: 31.2

SMOH: 31.2

R/R oil sump assembly and gasket, IAW Continental Maintenance Manual. P/N's 655546, 652423. Serviced engine with 6QT of Aeroshell 100W. Washed, ground ran, and leaked checked. Lubriated engine cables. Ops check normal.

Sean Tommervik

PREMIER AERO LLC

6/4/2022

Registration	TTAF	Tach Time	Eng TT	Eng TSMOH
N18BG	362.0	362.0	35.3	0

I certify that this engine has been inspected in accordance with the scope and detail of Appendix D of FAR Part 43 and the manufacturers inspection instructions, and found to be in safe operating condition. Checked compression, #1 72/80, #2 74/80, #3 74/80, #4 76/80, #5 74/80, #6 76/80. Replaced oil AeroShell 100W 8Qts. Changed oil filter 48109-2; no metal found. Clean-inspected-gapped-tested-rotated spark plugs. Inspected Engine / Prop / Exhaust System; checked and lubed engine controls; Clean fuel primer nozzles; Serviced induction air filter; Engine run-up check satisfactory; no leaks detected. See rear of logbook for updated AD list.

Glenn Sinibaldi

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with CM standard engine testing specifications as approved by the FAA.

Engine Model IO550N7B

Engine Serial Number 1045957

Testing Completed

Standard Acceptance Test:

Date of Completion 9-23-23 Test Operator Cory Wilkerson



Continental Motors, Inc.

Form No 98344

CONTINENTAL AEROSPACE TECHNOLOGIES

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:

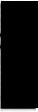
RPM 2763 OIL TEMP 211 OIL PRESSURE 48.4

OIL PRESSURE PICK UP POINT: ENGINE INLET AT OIL COOLER

655310 Rev. D

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 624131	
4. Organization Name and Address Continental Aerospace Technologies, Inc. 2039 Broad Street, Mobile, Alabama 36615					PC #508	
6. Item: 1		7. Description ENGINE - REBUILT		8. Part Number: IO550N7	9. Quantity: 1	10. Serial Number: See Block 12
11. Status/Work: See Block 12						
12. Remarks: Rebuilt to original PAH's specifications in accordance with 14 CFR §43.3(j). Total Time: 0 Preservation: This Engine was treated 09/25/23 for one hundred eighty days corrosion protection. Serial/Batch Number(s): Serial 1045957 Description ENGINE - REBUILT						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 12.						
13b. Authorized Signature:		13c. Approval/Authorization No.:		14a. ☐ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the 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.		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14b. Authorized Signature: 		
13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.:		14d. Name (Typed or Printed): Robin Kraft		
14e. Date (dd/mm/yyyy):		14f. Date (dd/mm/yyyy):		24/Oct/2023		
User/Installer Responsibilities						
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.						

1. Approving Civil Aviation - Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 1824CA	
4. Organization Name and Address: Continental Aerospace Technologies, Inc. 2039 S Broad St Mobile AL 36615 United States PC #508				5. Work Order/Contract/Invoice Number: Item Fulfillment #IF2141	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	SUMP ASSY - OIL	652423	1	N/A	New
12. Remarks: Airworthiness Approval					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other Regulation Specified in Box 12 Certifies that unless otherwise specified in Block 12, the 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.		
13b. Authorized Signature: 		13c. Approval/Authorization No.: 		14b. Authorized Signature: 	
13d. Name (Typed or Printed): Archie J French		13e. Date (dd/mm/yyy): 26 Apr 2024		14c. Approval/Certificate No.: 	
14d. Name (Typed or Printed):		14e. Date (dd/mm/yyy):			
User/Installer Responsibilities					
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.					

1. Approving Civil Aviation - Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 1825CA	
4. Organization Name and Address: Continental Aerospace Technologies, Inc. 2039 S Broad St Mobile AL 36615 United States PC #508				5. Work Order/Contract/Invoice Number: Item Fulfillment #IF2141	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	GASKET - OIL SUMP	655546	1	N/A	New
12. Remarks: Airworthiness Approval					
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other Regulation Specified in Box 12 Certifies that unless otherwise specified in Block 12, the 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.		
13b. Authorized Signature: 		13c. Approval/Authorization No.: 		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Archie J French		13e. Date (dd/mm/yyyy): 26 Apr 2024		14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
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.					