

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: 06/10/2016

Test Date: 06/10/2016

This engine model I0550N41B, serial number 1032450 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		
				WALLS AVIATION LLC HANGAR 9, DOTHAN REGIONAL AIRPORT DOTHAN, AL. 36303 9-07-16 TCM IO550-N41B HOBBS: 959.3 N234PJ S/N: 1032450 TSN: 0.0 INSTALLED FACTORY REBUILT CONTINENTAL IO-550-N41B, SN: 1032450 ONTO CIRRUS SR22 S/N: 1729 (N234PJ) IAW: CIRRUS SR22 MM 71-00-00. PERFORMED ENGINE RUN-UP INSPECTION IAW: IO-550 PERMOLD SERIES ENGINE INSTALLATION AND OPERATION MANUAL 3-2.7. ADJUSTED FUEL SYSTEM IAW: "ENGINE OPERATIONAL CHECK" OF SECTION 6-3.7 OF THE MAINTENANCE AND OVERHAUL MANUAL (M-16). INSTALLED NEW BRACKETT AIR FILTER (BA111). OPS CHECK AND LEAK CHECK GOOD.END..... AARON WALLS A&P [REDACTED]
				WALLS AVIATION LLC HANGAR 9, DOTHAN REGIONAL AIRPORT DOTHAN, AL. 36303 10-5-16 TCM IO550-N41B HOBBS: 959.3 N234PJ S/N: 1032450 TSN: 0.0 REMOVED SIX (6) CONTINENTAL FUEL NOZZELS P/N 652312-12E AND INSTALLED GENERAL AVIATION MODIFICATIONS INC. GAMIJECTORS KIT NO. TIG550-12E, S/N 15324 IAW: STC SE09963SC PMA NO. PQ821SW PER GAMIJECTORS INSTALLATION PROCEDURE NO. IP-2001-01 (REV NC) DATED 25 MAY 2001. NO CHANGE IN WEIGHT AND BALANCE. FORM 337 HAS BEEN FILED AND INCLUDED WITH STC PAPERWORK IN A/C RECORDS. END..... AARON WALLS A&P [REDACTED]
				WALLS AVIATION LLC HANGAR 9, DOTHAN REGIONAL AIRPORT DOTHAN, AL. 36303 10-12-16 TCM IO550-N41B HOBBS: 971.6 N234PJ S/N: 1032450 TSN: 12.3 PERFORMED AN OPERATIONAL FLIGHT CHECK OF AIRCRAFT AFTER INSTALLATION OF ENGINE AND GAMI INJECTORS IAW: TCM IO-550 PERMOLD ENGINE INSTALLATION AND OPERATION MANUAL 4-2.3 AND 4- 2.3.2, MADE MINOR ADJUSTMENTS AND GROUND RUN TO VERIFY FUEL SYTEM SETTINGS IAW:TCM IO-550N PERMOLD ENGINE MAINTENANCE AND OVERHAUL MANUAL 6-3.7.4.2 AND 6-3.7.4.3. OPS CHECK GOOD.END. AARON WALLS A&P [REDACTED] [REDACTED] (P. 64) RAE A. WILLIAMS, [REDACTED]



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N234PJ	Serial No. 1729	
	Make CIRRUS DESIGN CORP	Model SR22	Series
2. Owner	Name (As shown on registration certificate) COASTAL KING AVIATION LLC	Address (As shown on registration certificate)	
		Address	
		City CORPUS CHRISTI	State TX
		Zip 78401-2823	Country

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☐	AIRFRAME		(As described in Item 1 above)	
☐	☒	POWERPLANT	CONTINENTAL	IO-550-N	1032450
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name AARON WALLS		☒ U. S. Certified Mechanic	Manufacturer
Address		☐ Foreign Certified Mechanic	C. Certificate No.
City DOTHAN	State AL	☐ Certified Repair Station	A&P
Zip 36301	Country USA	☐ Certified Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B	☐	Signature/Date of Authorized Individual 10-5-16
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	Inspection Authorization	

Certificate or Designation No. A&P	Signature/Date of Authorized Individual 10-5-16
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N234PJ

10-5-16

Nationality and Registration Mark

Date

REMOVED SIX (6) CONTINENTAL FUEL NOZZELS P/N 652312-12E AND INSTALLED GENERAL AVIATION MODIFICATIONS, INC. GAMIJECTORS KIT NO. TIG550-12E S/N 15324 IAW: STC NO. SE09963SC PMA NO. PQ821SW PER GMAIJECTORS INSTALLATION PROCEDURE NO. IP-2001-01 (REV NC) DATED 25 MAY 2001. NO CHANGE IN WEIGHT AND BALANCE. INSTRUCTIONS FOR CONTINUED AIRWORTHINESS IS ATTACHED.....

////////////////////////////////////END////////////////////////////////////

☒ Additional Sheets Are Attached



Continental Motors

Engine Component Information Sheet

Printed: 06/10/2016

Serial: 1032450

Assembled: 06/08/2016

Spec: I0550N41B

Shipped: / /

New/Rebuilt: (REBUILT)

Packed: 06/10/2016

Customer Name: AEROSIM

Shipping Address: [REDACTED]

Component	Serial Number
CAMSHAFT	307231
CRANKSHAFT	N03KA091
CRANKCASE	R16DA156
CONNROD	AE16DA222
CONNROD	AE16DA247
CONNROD	AE16DA103
CONNROD	AE16DA102
CONNROD	AE16DA287
CONNROD	AE16DA221
L MAGNETO	D16DA370R
R MAGNETO	D16DA366R
FUEL PUMP	B15FA051R
MANIFOLD VALVE	C15LA023R
METERING UNIT	A15FA087R
STARTER	4C3-151636
ALTERNATOR	O16EA002R

Component	Serial Number
OIL COOLER	D16-13012-230
CYLINDER-1	AC16EA689
CYLINDER - 2	AC16EA681
CYLINDER - 3	AC16EA667
CYLINDER - 4	AC16EA780
CYLINDER - 5	AC16EA778
CYLINDER - 6	AC16EA686
NOZZLE - 1	1234
NOZZLE - 2	2234
NOZZLE - 3	3239
NOZZLE - 4	4236
NOZZLE - 5	5236
NOZZLE - 6	6229

Pack Inspection Stamp [REDACTED]

All of the information provided herein is subject to verification by the user. Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

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 2738 OIL TEMP 180 OIL PRESSURE 51.7

OIL PRESSURE PICK UP POINT: ENGINE INLET AT OIL COOLER

655310 Rev. B

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

10550 N41B

Engine Serial Number

103V450

Testing Completed

Standard Acceptance Test:

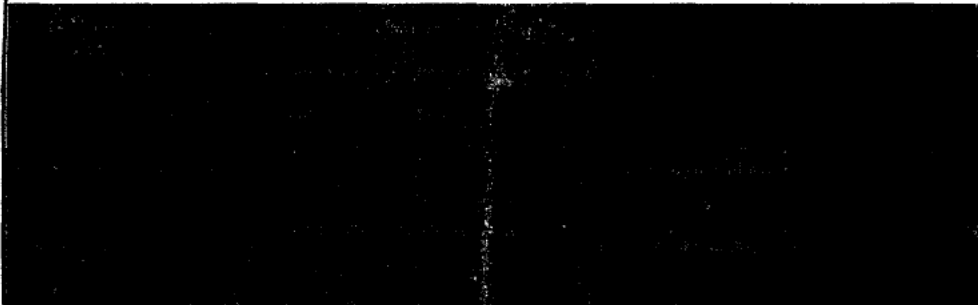
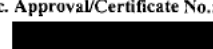
JUN 10 2016

Date of Completion

Test Operator



Continental Motors, Inc.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 480893	
4. Organization Name and Address Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615					PC #508	5. Work Order/Contract/Invoice Number: EPN 531251 Carton 0000203583
6. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	ENGINE - REBUILT	IO550N41	1	See Block 12	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 06/10/16 for one hundred eighty days corrosion protection. Serial/Batch Number(s): Serial 1032450 Description ENGINE - REBUILT						
			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.			
			14b. Authorized Signature: 		14c. Approval/Certificate No.: 	
			14d. Name (Typed or Printed): Thomas Wells		14e. Date (dd/mmm/yyyy): 02/Aug/2016	
			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.			