



**CONTINENTAL**

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

**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: 10/14/2022

Test Date: 10/14/2022

This engine model I0550N43B, serial number 1044345 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.**



Lake Elmo Aero  
3275 Manning Ave N  
Lake Elmo, MN 55042  
651-777-1399

Make: TCM  
Model: IO-550 N43  
S/N: 1044345  
Tail: N913MT

Date: 11/7/2022  
Tach: 1785.2  
TSMOH: 0.0

**Record**

- INSTALLED THIS ENGINE ON AIRCRAFT N913MT. REINSTALLED #1 AND #2 ALTERNATORS, EXHAUST SYSTEM AND PROPELLER. CONNECTED ORIGINAL EGT AND CHT HARNESSES AND PROBES. REPLACED ENGINE PRE-HEATER WITH NEW. CONNECTED ALL HOSES, WIRING AND PLUMBING AS NECESSARY. CONDUCT GROUND RUNS AND INITIAL BREAK IN IN ACCORDANCE WITH CONTINENTAL MANUAL. CHECK AND ADJUST AS NEEDED METERED AND UNMETERED FUEL FLOWS. CHECKED OIL PRESSURES. CHECKED ENGINE AND PROP RPMS IN ACCORDANCE WITH CIRRUS MANUALS.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Signed: Bob Laughery  
Name: BOB LAUGHERY

Cert: A&P 2225738 IA

removal and  
Directives,

ENGINE MODEL:  
IO-550 N43B  
ENGINE S/N:  
1044345  
REG. NO: N913MT  
WORK ORDER:  
5534-03-2023



**DeltaFox Aviation**  
Repair Station No. 897R016D  
10771 James Payne Court  
Manassas, VA 20110  
Phone: 703.438.8450

DATE: 4/3/2023  
A/C TSN: 1800.6  
ENG TT: 15.4  
TACH: 1800.6

**Engine Entries**

- C/W CONTINENTAL MSB23-01A. REMOVED #1 AND #3 CYLINDERS, INSPECTED FORWARD AND AFT COUNTERWEIGHTS, NO DEFECTS NOTED. INSTALLED REMOVED CYLINDERS WITH NEW HARDWARE. ALL WORK PERFORMED PER MSB AND CONTINENTAL M-0, 10-6.1.1, 10-6.1.2 AND 10-6.1.3. PERFORMED FULL POWER RUNS. OPS AND LEAK CHECK GOOD AT THIS TIME.
- C/W AD2023-05-16, AMEND: 39-22385,(g)(1) PER CONTINENTAL MSB23-01A. NO DEFECTS NOTED.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 4/3/2023

SIGNED:

John Quinn

Work Order: 5534-03-2023

John Quinn  
Certified Repair Station No. 897R016D

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Engine Logbook  
N913MT - Teledyne Continental IO-550-N, S/N 1044345

WO: MX-2541

02/07/2023

Airframe Times : 1,800.2  
Airframe Cycles : 0

Complied with the Following Items :

- 2.1 Customer request oil change . Removed, cut open and inspected oil filter for contaminates and metal, OK. Installed new CH 48108-1 oil filter, torqued to spec and safetied. Drained engine oil and refilled with 7qt new Phillips 20W-50 X/C oil. Performed engine runnup /leak check. No issues noted at this time. Work performed in accordance with Cirrus Design SR22 Maintenance Manual ATA 12-20.

All work performed in accordance with the manufacturer's recommended procedures and is approved for return to service.

Signed:

John Quinn  
For Chantilly Air, CRS-ZH9R8641, Manassas, Virginia 20110, 800-720-5387

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	

Ca



**Engine Logbook**  
**N913MT**  
**Continental IO-550-N**  
**Aircraft Hours: 1802.7**

**W/O: MX-2793**    **Date: Jan. 2, 2024**  
**Cirrus SR22**        **AC S/N: 1597**  
**ENG S/N: 1044345**    **Eng TT: 17.5**

Complied with the following items:

- Drained engine oil, removed and inspected oil filter element, OK. Installed and safetied new AA48108-2 filter and serviced engine with 7.5 qt Phillip's X/C 20W-50 oil.
- Performed cylinder compression check. Results as follows: Cyl. #1: 80/80, Cyl. #2: 79/80, Cyl. #3: 79/80, Cyl. #4: 80/80, Cyl. #5: 80/80, Cyl. #6: 80/80. Master Orifice reading: 70/80.
- Removed all spark plugs, cleaned, inspected, and reconditioned. Reinstalled plugs with 6 new URHB32E.
- Removed engine air intake filter and installed new BA-24 filter element.
- Disassembled fuel gaskolator, inspected and cleaned screen. Reassembled with new NAS1523-8B stat-o-seal and MS29513-137 O-ring. Leak checked, OK.
- Removed all 6 fuel injector nozzles, performed ultra-sonic cleaning, and reinstalled with new X1473 crush washers and 630979-9 O-rings.
- Performed external magneto timing checks and adjusted LH and RH to 25 BTC.
- Performed the inspection/check of the Master Control Unit (MCU), in accordance with AMM ATA 24-30.
- Performed the Adjustment/Test of (Exhaust) Forward ball joints. Found RH ball joint tension out of tolerance. Changed washer stack-up of all three ball joint tensioning bolts, tension check OK. Performed in accordance with AMM ATA 78-20.
- Removed failed safety wire under #6 intake tube and re-safetied using safety cable.
- Installed high heat spiral wrap to fuel injection manifold drain hose, in area between cylinder baffles and oil cooler.
- Alternate air flapper valve was found to not fully close in either direction. Adjusted control cable as needed and performed multiple ops checked, OK.
- Performed annual inspection on this engine, per the requirements of FAR 43 Appendix D and SR22 Airplane Maintenance Manual ATA 05 and found it to be in an airworthy condition at this time.

All work performed in accordance with the manufacturer's recommended procedures and is approved for return to service.

Signed: \_\_\_\_\_

For Chantilly Air, Inc., CRS ZH9R864J Manassas, Virginia 20110 (703) 361-8253
