



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**



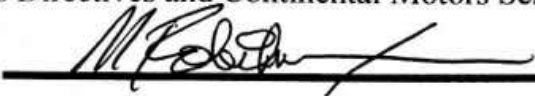
Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed: 11/11/2020

Date: 11/10/2020

This engine model I0550N/0B, serial number 1040034 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.

Form 6012-03 (Rev Sept 2014)

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					
Carried forward →					

ENGINE MODEL IO-550N
ENGINE S/N 1040034
REG NO N225CF
WORK ORDER KTYS26439-12-2021

CIRRUS Cirrus Factory Service Center

Repair Station No. 980R988C
114 Cirrus Landing
Alcoa, TN 37701
Phone 865-980-8702

DATE 12/9/2021
A/C TSN 1479
ENG TT 1479
TSMCH
FLIGHTTIME 1479

Engine Entries

- (7) Performed engine operational and function check IAW Cirrus AMM 5-30.
(15) Drained engine oil. Serviced engine with 8 quarts of Phillips XC 20W50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with SR22 AMM 12-10 and Continental Manual M-0 (16) Performed 50 Hr. CMX Servicing of engine IAW Cirrus SR22 AMM 5-20 and Continental M-0 Manual.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS 980R988C

DATE: 12/9/2021

SIGNED: *[Signature]*

Bo Watson
Certified Repair Station No. 980R988C

Work Order: KTYS26439-12-2021

Printed by EBIS 3 (dalcomedia.com)

02/10/2022
Total Time: 167.7
Flight Time: 167.7
Hobbs Time: 232.8

N225CF
Continental IO 550-N
S/N: 1040034

Horizon Avionics, Inc.

2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701

ENGINE LOG ENTRY

Complied with FAA 100hour inspection IAW FAR43 D. Performed engine operational and function check IAW Cirrus AMM 5-30. Performed engine 100 hour inspection IAW Cirrus AMM 5-20 and Continental M-0 Manual. Drained oil and serviced with 8 quarts of Phillips 20W50X/C. Replaced oil filter with new CH48108-1. Performed particulate inspection on filter, no discrepancies noted. Run up and leak check performed with no discrepancies noted. All work accomplished IAW Cirrus AMM 12-10 and Continental M-0 Manual. Performed cylinder differential compression checks IAW Continental M-0 Manual. No discrepancies noted. Compression results as follows: 1.76/80, 2. 72/80, 3. 74/80, 4. 78/80, 5. 72/80, 6. 78/80. Master orifice reading 42/80.

MAINTENANCE RELEASE

I certify that this engine has been inspected IAW a 100 hour inspection and has been determined to be in airworthy condition. Pertinent details are on file under Work Order No. M5852.

Signed: *[Signature]*

Cert. No. *AP2622578* Date: *2/10/22*
For Horizon Avionics, Inc.

wo: 1221047

Engine - page 1 of 1



Keystone Aviation, LLC - 15001 N. Airport Dr - SCOTTSDALE, AZ 85260 - 623-562-3040 - CRS#: K4LR032E

N225CF
Flight: 213.1

CONT MOTOR, IO-550-N, S/N: 1040034
Hobbs: 293.7

April 13, 2022

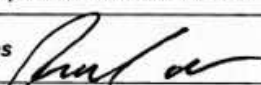
2. C/W 50 Hr. inspection. Drained oil. Removed filter cut open, no defects noted. C/W oil sample and sent out for analysis. Installed new oil filter P/N: CH48108-1. Installed 8 quarts of Phillips 20W 50 oil. Ran aircraft, no leaks noted. IAW Cirrus SR22 AMM 79-20. Installed (8) P/N 20W50 - Phillips 66 Oil Rev/Lot: LL41A17221 2074, Installed P/N CH48108-1 - Oil Filter Rev/Lot: 578601484, Installed P/N MS29513-137 - O-ring, Installed P/N NAS1523-8B - Gascolator Stato-Seal.

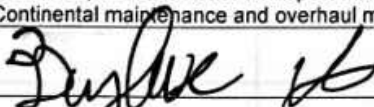
With respect to the work performed and current FAA regulations this engine is approved for return to service for a 50 Hr Cirrus SR22 inspection. Details of work performed are on file with Keystone Aviation, LLC under work order: 1221047.

CRS# K4LR032E

[Signature]

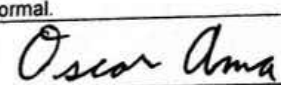
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4935	Registration: N225CF		ENGINE LOG	
	Date: 7/21/2022	W/O: 80001417		
	Model: IO-550-N(70B)	Flt Hobbs: 266.8 Hobbs: 363.6		
	S/N: 1040034	TSMOH: 266.8		
Complied with a 100 hour inspection in accordance with 14 CFR 43 Appendix D and in reference to the Cirrus SR-22/22T Annual / 100 hr. inspection checklist CH 5-20. AD's researched thru T-Data content revision 2022-15, see attached AD compliance list for details. Complied with 300-Hour fuel injector cleaning. Removed all fuel injectors, ultrasonic cleaned, and reinstalled injectors with new nozzle washer p/n 640612, nozzle O-ring p/n 630979-9 and copper washer p/n X1473. Leak checks satisfactory. Mx performed IAW Continental MX & OHL Manual M-16 Chapter 10 & 14. Compressions checked in accordance with CMA M-0 Section 6-4.11.2; 1-70, 2-75, 3-74, 4-73, 5-75, 6-74 / 80 (Hot). Master orifice reading 46 psi. Borescope inspection performed IAW Section 6-4.11.3, all cylinders found to be serviceable at this time. Removed gascolator assembly. Cleaned and inspected screen with no contamination noted. Re-assembled gascolator with new o-ring seals p/n MS29513-137 and stat-o-seal p/n NAS1523-8B. Leak check satisfactory. Drained oil thru 1000 micron screen. Took Blackstone oil sample to send for analysis. Removed oil filter and cut and inspected for metal contamination, filter normal. Removed engine drain plug to inspect for metal, no metal noted. Reinstalled drain plug with new crush gasket p/n MS35769-11 and safety wired. Installed new oil filter p/n CH48108-1. Serviced engine with 8 quarts Phillips XC 20W-50 oil. Mx performed IAW the Cirrus SR22/22T AMM CH 12-10 & Continental IO-550 Series Manual M-16, and Continental CSB07-01A dated 9/2/2020. Installed 1 ea. new spark plug Tempest p/n URHB32E. Cleaned, gapped, tested and rotated all remaining spark plugs. Re-installed and torqued to specified limits with new U674 gaskets. MX performed IAW the CMA M-0 MM CH 6-4. Removed existing SCAT tube from air filter to alternate air. Installed new alternate air SCAT tubing with 1ft. of SCAT10. MX performed IAW the Cirrus SR22/22T AMM CH 71-60. Adjusted magneto to engine timing IAW Continental IO-550 MM M-0 Chapter 6-4. Adjusted idle speed to specified limits. MX performed IAW the CMA M-0 MM CH 6-4. Installed new induction air filter with new Bracket p/n BA-24 and secured. Maintenance performed in accordance with Model SR-22/22T AMM, CMA IO-550 Series OHL manual M-16 and CMA Manual M-O. Post inspection full power ground run and operational check performed with all indications normal and no defects or leaks noted. I certify this engine has been inspected in accordance with a 100-Hour inspection and was determined to be in airworthy condition SIGNATURE: Richard Macias  FAA AUTHORIZATION: 4405965 A&P				

 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4935	Registration: N225CF		ENGINE LOG	
	Date: 10/17/2022	W/O: 80001574		
	Model: SR22	Flt Hobbs: 315.5		
	S/N: 4993	Hobbs: 430.5		
Complied with 50 hour oil and filter change. Drained engine through a 1000 micron screen. Removed existing oil filter to be cut open to inspect, filter found normal. Removed engine drain plug to inspect for metal, no metal noted. Re-installed drain plug with new crush gasket p/n MS35769-11 and safety wired. Installed new oil filter p/n AA48108-2 and serviced engine with 8 quarts of Phillips XC 20W-50 engine oil. Performed static run, no leaks noted and operational performance normal. Mx performed IAW the Cirrus SR22/22T AMM, CH 12-10 & Continental maintenance and overhaul manual, publication M-16 & CSB07-01A dated 9/2/2020. SIGNATURE: Dylan Adair  FAA AUTHORIZATION: 4330086 A&P				

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

Glendale Aero Services		Registration: N225CF		ENGINE LOG	
 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4935	Date: 2/2/2023		W/O: 80001706		
	Model: IO-550-N(70B)		Fit Hobbs: 371.9		Hobbs: 509.3
	S/N: 1040034		TSMOH: 371.9		
	Complied with an Annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft SR-22/22T AMM annual inspection checklist CH 5-20 & Precise Flight ICA. AD's researched thru T-Data content revision 2023-03, see attached AD compliance list for details.				
Compressions checked in accordance with CMA M-0 Section 6-4.11.2; 1-72, 2-76, 3-74, 4-72, 5-78, 6-72 / 80 (Warm). Master orifice reading 46 psi. Borescope inspection performed IAW Section 6-4.11.3, all cylinders found to be serviceable at this time.					
Removed gascolator assembly. Cleaned and inspected screen with no contamination noted. Re-assembled gascolator with new o-ring seals p/n MS29513-137 and stat-o-seal p/n NAS1523-8B. Leak check satisfactory.					
Drained oil thru 1000 micron screen. Took Blackstone oil sample to send for analysis. Removed oil filter and cut and inspected for metal contamination, filter normal. Removed engine drain plug to inspect for metal, no metal noted. Reinstalled drain plug with new crush gasket p/n MS35769-11 and safety wired. Installed new oil filter p/n CH48108-1. Serviced engine with 8 quarts Phillips XC 20W-50 oil. Mx performed IAW the Cirrus SR22/22T AMM CH 12-10 & Continental IO-550 Series Manual M-16, and Continental CSB07-01A dated 9/2/2020.					
Cleaned, gapped, tested and rotated all spark plugs. Re-installed and torqued to specified limits with new U674 gaskets. MX performed IAW the CMA M-0 MM CH 6-4.					
Removed existing forward center baffle. Installed a new forward center baffle p/n 15480-005. Mx performed IAW the Cirrus SR22/22T AMM, chapter 71-00.					
Adjusted idle and leaned out idle mixture to specified limits. Post mx ground run indications normal. MX performed IAW CMA M-16 IO-550 MX and Overhaul Manual Chapter 6-3.10.2.					
Installed new induction air filter with new Bracket p/n BA-24 and secured.					
Maintenance performed in accordance with Model SR-22/22T AMM, CMA IO-550 Series OHL manual M-16 and CMA Manual M-0.					
Post inspection full power ground run and operational check performed with all indications normal and no defects or leaks noted.					
I certify this engine has been inspected in accordance with an Annual / 100-Hour inspection and was determined to be in airworthy condition					
SIGNATURE: Brandon Musser 			FAA AUTHORIZATION: 4337201 IA		

Glendale Aero Services		Registration: N225CF		ENGINE LOG	
 Glendale Aero Services 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4935	Date: 6/7/2023		W/O: 80001967		
	Model: SR22		Fit Hobbs: 421.7		Hobbs: 574.0
	S/N: 4993		Hobbs: 574.0		
	Performed CMX 50-Hour Inspection. Drained existing engine oil through 1000 micron screen and took Blackstone oil sample. Removed magnetic plug and oil filter. No metal found on screen and no defects found on magnetic plug, reinstalled with new crush gasket p/n MS35769-11, torqued and safety wired. Cut open oil filter and no defects found, installed new oil filter p/n AA48108-2, torqued and safety wired. Added 8 Qts Phillips XC 20W-50 oil. Post mx ground run indications normal and no leaks found. MX performed IAW CMA CSB 07-01A revised 2020/09/02 and Cirrus SR22/22T AMM Chapter 12-10.				
Serviced and cleaned main fuel gascolator assembly. Re-assembled with new o-ring p/n MS29513-137 and washer seal p/n NAS1523-8B. Leak checks normal.					
SIGNATURE: Oscar Ama 			FAA AUTHORIZATION: 2726741 A&P		

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	


Glendale Aero Services

 6841 N. Glen Harbor Blvd
 Glendale, AZ 85307
 623-414-4935

 Registration: **N225CF**
ENGINE LOG

Date: 9/7/2023

W/O: 80002097

Model: IO-550-N(70B)

Flt Hobbs: 470.8 Hobbs: 639.2

S/N: 1040034

TSN: 470.8

 Complied with a Cirrus Maintenance Program **CMX In-Service II, 100-Hour Inspection.**

 Performed engine **100-Hour** inspection IAW Cirrus SR22/22T AMM CH 5-20 and Continental Manual M-16.

AD's researched thru T-Data content revision 2023-18, see attached AD compliance list for details.

 Complied with **500-Hour** Magneto inspections. Removed existing RH magneto p/n 10-500556-1 s/n D20JA083. Removed existing LH magneto p/n 10-500556-1 s/n D20IA199. Installed Continental Motors Blue Label Factory Rebuilt magnetos: RH p/n BL-500556-1 s/n D23GA223R and LH magneto p/n BL-500556-1 s/n D23GA217R using new base gaskets p/n 649954. Adjusted magneto to engine timing into allowable limits. Re-installed cylinder #3 & #4 induction tubes using new gaskets p/n 649950 qty 2. MX performed IAW the Continental maintenance and overhaul manual, publication M-0, chapters 10-5.1, 10-5.2, & 6-4.9.1.2.

Work performed by Dylan Adair A&P 4330086

Compressions checked in accordance with CMA M-0 Section 6-4.11.2; 1-68, 2-66, 3-70, 4-66, 5-66, 6-70 / 80 (Hot). Master orifice reading 46 psi. Borescope inspection performed IAW Section 6-4.11.3, all cylinders found to be serviceable at this time.

Removed gascolator assembly. Cleaned and inspected screen with no contamination noted. Re-assembled gascolator with new o-ring seals p/n MS29513-137 and stat-o-seal p/n NAS1523-8B. Leak check satisfactory.

Drained oil thru 1000 micron screen. Took Blackstone oil sample to send for analysis. Removed oil filter and cut and inspected for metal contamination, filter normal. Removed engine drain plug to inspect for metal, no metal noted. Reinstalled drain plug with new crush gasket p/n MS35769-11 and safety wired. Installed new oil filter p/n AA48108-2. Serviced engine with 8 quarts Phillips XC 20W-50 oil. MX performed IAW the Cirrus SR22/22T AMM CH 12-10 & Continental IO-550 Series Manual M-16, and Continental CSB07-01A dated 9/2/2020.

Cleaned, gapped, tested and rotated all spark plugs. Re-installed and torqued to specified limits with new U674 gaskets. MX performed IAW the CMA M-0 MM CH 6-4.

Installed new induction air filter with new Bracket p/n BA-24 and secured.

Stop drilled minor crack in forward RH engine baffle IAW AC 43.13-1B Section 4.

Maintenance performed in accordance with Model SR-22/22T AMM, IO-550 Series MX Manual M-16 and CMA Manual M-0.

Post inspection full power ground run and operational check performed with all indications normal and no defects or leaks noted.

SIGNATURE: Oscar Ama

FAA AUTHORIZATION:

2726741 A&P

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletin
	Hours	Min	Hours	Min	


Glendale Aero Services

 6841 N. Glen Harbor Blvd
 Glendale, AZ 85307
 623-414-4935

 Registration: **N225CF**

Date: 12/4/2023

Model: IO-550-N(70B)

S/N: 1040034

W/O: 80002109

Flt Hobbs: 473.7 Hobbs: 643.7

TSMOH: 473.7

ENGINE LOG

Complied with an Annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft SR-22/22T AMM annual inspection checklist CH 5-20 & Precise Flight ICA. AD's researched thru T-Data content revision 2023-25, see attached AD compliance list for details.

AD 23-17-04, STC F&M or Stratus oil filter adapter fiber gasket oil loss is N/A by no F&M or Status oil filter adapter installed. No further action required.

AD 2023-05-16, CAT crankshaft counterweight inspection is N/A by engine S/N (1040034) as listed in Appendix 1 of the CAT MSB23-01A dated 2/2023. No further action required.

AD 2023-02-12, SAP cylinder intake valve failure is N/A by no SAP cylinders installed. No further action required.

AD 2023-09-09, Failure of spot welded V-Band clamps is N/A by aircraft is non-turbo and no V-band clamps are installed. No further action required.

Complied with **300-hour** fuel injector cleaning. Removed all fuel injectors and ultra-sonic cleaned in Hoppe's solvent. Reinstalled injectors with new copper washer p/n X1473 qty.6, new O-rings p/n 630979-9 qty.6, new rubber washer p/n 640612 qty.6, washer p/n 628556 qty. 6. Torqued to specification. Leak check satisfactory. MX performed IAW the CMA M-8 chapter 10-3.

Compressions checked in accordance with CMA M-0 Section 6-4.11.2; 1-68, 2-70, 3-68, 4-72, 5-76, 6-68 / 80 (Warm). Master orifice reading 46 psi. Borescope inspection performed IAW Section 6-4.11.3, all cylinders found to be serviceable at this time.

Removed gascolator assembly. Cleaned and inspected screen with no contamination noted. Re-assembled gascolator with new O-ring seals p/n MS29513-137 and stat-o-seal p/n NAS1523-8B. Leak check satisfactory.

Drained oil thru 1000 micron screen. Took Blackstone oil sample to send for analysis. Removed oil filter and cut and inspected for metal contamination, filter normal. Removed engine drain plug to inspect for metal, no metal noted. Reinstalled drain plug with new crush gasket p/n MS35769-11 and safety wired. Installed new oil filter p/n CH48108-1. Serviced engine with 8 quarts Phillips XC 20W-50 oil. Mx performed IAW the Cirrus SR22/22T AMM CH 12-10 & Continental IO-550 Series Manual M-16, and Continental CSB07-01A dated 9/2/2020.

Cleaned, gapped, tested and rotated all spark plugs. Re-installed and torqued to specified limits with new U674 gaskets. MX performed IAW the CMA M-0 MM CH 6-4.

Installed throttle quadrant friction lock washer p/n NAS1149D0416J. MX performed IAW Cirrus SR22/22T MM Chap. 76-00.

Removed RH forward baffle. Installed new baffle p/n 15487-011 with existing hardware. MX performed IAW Cirrus SR22/22T Chap. 72-00.

Removed Adel clamp from engine drain and replaced with new Adel clamp p/n MS21919WDG12. MX performed IAW Cirrus SR22/22T Chap. 71-72.

Removed Fwd. spinner baffle and replaced with new baffle p/n 15480-005. MX performed IAW Cirrus SR22/22T Chap. 72-00

Removed starter and existing O-ring P/N AS3578-038. Reinstalled same starter in existing serviceable condition with new O-ring P/N AS3578-038. Operational and leak checks normal. MX performed IAW Cirrus SR22/22T AMM Chapter 80-10.

Installed new induction air filter with new Bracket p/n BA-24 and secured.

Maintenance performed in accordance with Model SR-22/22T AMM, CMA IO-550 Series OHL manual M-16 and CMA Manual M-O.

Post inspection full power ground run and operational check performed with all indications normal and no defects or leaks noted.

I certify this engine has been inspected in accordance with an Annual / 100-Hour inspection and was determined to be in airworthy condition

 SIGNATURE: **Matthew Hatfield**

FAA AUTHORIZATION:

2766522 IA

Glendale Aero Services

 6841 N. Glen Harbor Blvd
 Glendale, AZ 85307
 623-414-4935

 Registration: **N225CF**

Date: 12/14/2023

Model: IO-550-N(70B)

S/N: 1040034

W/O: 80002178

Flt Hobbs: 473.7 Hobbs: 644.4

TSMOH: 473.7

ENGINE LOG

Removed engine from cradle mount to further replacement of firewall forward electrical harnesses. Engine re-installed in existing serviceable condition using new locking hardware. Removal and installation performed IAW SR22/22T AMM CH 71-00.

Removed existing starter P/N PM2407 S/N H-U081684. Installed new starter p/n 646275-1 s/n H-D-132133. Torqued attaching hardware to specified limits. Operational check normal. MX performed IAW CAT M-0 CH 17-8

Removed existing ALT-1 P/N ES-10024 S/N H-X070643 and replaced with new alternator P/N ES-10024 S/N H-X091999, transferred existing serviceable drive coupling. Installed alternator with new flange gasket P/N 653981. Torqued alternator to specified limits. Installation performed IAW CAT M-18 MM Chapter 10-5.

Maintenance performed in accordance with Model SR-22/22T AMM, CMA IO-550 Series OHL manual M-16 & CMA Manual M-O.

Post maintenance full power ground run and operational check performed with all indications normal, no defects or leaks noted.

 SIGNATURE: **Matthew Hatfield**

FAA AUTHORIZATION:

2766522 IA