



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**



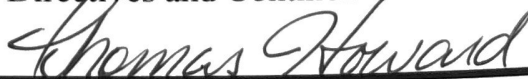
Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed:07/15/2022

Test Date:07/15/2022

This engine model TSI0550K2B, serial number 1043828 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 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	
Carried forward →					

ENGINE MODEL:
ENGINE S/N:
REG NO N846W
WORK ORDER: 7291



Nassau Flyers
1300 New Hwy
Farmingdale, NY 11735
Phone 631-454-0626

DATE 12/9/2022
A/C TSN: 54.4
ENG TT
TACH: 54.4

Engine Entries

Removed fluctuating manifold pressure sensor and replaced with new (P/N: 12635-003). Performed operational check of same, no defects noted.

Maintenance Release

This aircraft, engine, propeller or component(s) on N846W were repaired and inspected in accordance with current Federal Aviation Regulations and manufacturers recommendations and was found to be in airworthy condition. This aircraft, engine, propeller or component(s) is approved for return to service regarding the work performed and described above, this date and times.

DATE: 12/9/2022

SIGNED: *[Signature]*

Work Order: 7291

Darion McFadden, A&P 4138120

Printed by EBIS 3 (datcomedia.com)

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AirQuest Aviation
485 Airport Road
Butler, PA 16002



Date: 2/24/2023; Aircraft: N846W; Type: SR22T; S/N: 8831
Shop Order #: 23-4254
Engine Log

- 1.) Complied with 100 hour/annual inspection of engine per Cirrus SR22T maintenance manual 5-20.
- 2.) Removed and replaced the following fuel injector nozzle parts with new, P/N: 630979-9, X1473, 628556 and 640612, in accordance with Cirrus SR22T Airplane Maintenance Manual, 5-20 and Continental Aircraft Engine Postion Tuned Fuel Injector Nozzles Installation and Maintenance Manual, publication F1-2, pages 7-11.
- 3.) Compression tested: 1] 70/80, 2] 74/80, 3] 76/80, 4] 68/80, 5] 70/80, 6] 70/80
- 4.) Complied with oil change. Drained oil and serviced engine with 8 quarts of Phillips 20w-50 oil. Replaced filter with new, P/N: AA48108-2. Cut and inspected old filter. No defects noted. Cleaned engine and ground-run aircraft. No leaks noted. All work done in accordance with Cirrus SR22T Airplane Maintenance Manual, 5-20.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in accordance with current FAA Regulations and is Approved for Return for Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station. I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
ACTT: 87.9 Hobbs time: 108.9 Flight time: 87.9

Signed *[Signature]* Nathan Courtney for AirQuest Aviation CRS: Q3ER924K

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 2537 OIL TEMP 189 OIL PRESSURE 50.2

OIL PRESSURE PICK UP POINT: ENGINE INLET AT OIL COOLER

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 TSIO550K2B

Engine Serial Number 1043828

Testing Completed

Standard Acceptance Test:

Date of Completion 7-13-22 Test Operator _____



Continental Motors, Inc.

Engine Model	TSIO-550K2B
Serial#	1043828
Test Document	TH-3223 Rev H
Software/Form Release#	2.03.2, 05/27/20
Start Time	7/13/2022, 10:28:41
Accepted Time	7/13/2022, 13:01:53
Cell# & Operator	7, 31622
Sea Level Power	315 HP @ 2500 Prop RPM
Vapor Pressure	0.92 in HG
Temp, Wet Baro	80.50 F, 29.93 in HG



Aircraft Engine Standard Acceptance Test Log

(Form TH-125)

Test Club#	D2191A
Rqrd Pitch	25.7°±.5°
Actual Pitch	25.7°
Mixture Check	Pass
Alternator Check	

Mag Data	Required	Actual
Eng Speed Both	1700	1710
Eng Speed Right	N/A	1652
Right Mag Drop	150	58
Eng Speed Left	N/A	1666
Left Mag Drop	150	44
Mag Drop Spread	50	14
Fuel Flow (Ref.)	81	58

Note: Magneto check between Run 2 & 3

Run Information	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8
Time Of Day	10:40:15	10:41:44	11:30:26	11:36:35	11:47:04	12:02:40	12:26:36	12:50:20
Run Time Rqd (MM:SS)	01:00	01:00	01:00	10:00	10:00	01:00	10:00	05:00
Run Time	01:00	01:00	01:00	10:00	10:00	03:07	10:00	05:00
Prop Speed Rqd (RPM)	1175-1225	1675-1725	2275-2325	2507-2557	2290-2315	575-625	2290-2315	2290-2315
Prop Speed	1206	1700	2303	2537	2301	616	2303	2302
Manifold Press Rqd (inHg)	N/A	N/A	N/A	37.3-37.7	33.5 REF	18.5 MAX	33.5 REF	33.5 REF
Manifold Press	16.0	20.1	31.3	37.3	31.3	16.6	31.0	30.9
Turbo Dis Press Rqd (inHg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbo Dis Press	31.3	31.5	34.3	37.3	35.6	32.2	34.2	34.4
Fuel Flow Rqd (lb/hr)	N/A	N/A	N/A	213.0-223.0	128.9-164.9	N/A	N/A	N/A
Fuel Flow	24.0	56.7	150.8	220.2	148.7	7.7	141.4	139.5
Nozzle Press Rqd (PSID)	N/A	N/A	N/A	12.8-14.0	8.3 REF	N/A	N/A	N/A
Nozzle Press	3.9	5.1	9.8	14.0	8.4	2.0	9.2	8.8
Fuel Pump Press Rqd (PSIG)	N/A	N/A	N/A	27.5 REF	N/A	7.0-9.0	N/A	N/A
Fuel Pump Press	11.3	14.9	20.8	24.5	20.5	8.1	20.2	19.9
Fuel Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Temp	74	75	74	74	75	76	75	76
Ambient Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient Temp	85	87	94	95	98	89	95	96
Eng Inlet Oil Temp Rqd (°F)	120-240	150-240	180-240	180-240	180-240	130-240	180-240	180-240
Eng Inlet Oil Temp	154	158	185	189	211	198	180	186
Eng Oil Press Rqd (PSIG)	30.0 MIN	30.0 MIN	30.0 MIN	46.6-57.6	30.0 MIN	12.5 MIN	30.0 MIN	30.0 MIN
Eng Oil Press	51.4	55.9	50.4	50.2	45.6	12.5	55.2	54.0
Min Cylinder Temp Rqd (°F)	175 MIN	225 MIN	250 MIN	250 MIN	250 MIN	N/A	250 MIN	250 MIN
Max Cylinder Temp Rqd (°F)	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX
Cylinder 1 Temp	261	275	358	367	381	277	355	352
Cylinder 2 Temp	246	259	336	339	357	225	334	337
Cylinder 3 Temp	239	258	344	349	357	271	350	343
Cylinder 4 Temp	263	278	367	375	392	244	362	362
Cylinder 5 Temp	245	262	350	352	360	236	349	336
Cylinder 6 Temp	219	230	297	303	311	210	291	291
Collar Press Differential Rqd (PSID)	N/A	N/A	N/A	14.5 MAX	N/A	N/A	N/A	N/A
Collar Press Differential	2.0	2.2	1.6	1.6	1.4	0.9	2.2	1.9



Continental Motors

Engine Component Information Sheet

Printed: 07/15/2022

Serial:1043828

Assembled: 07/15/2022

Spec:TSI0550K2B

Shipped: / /

New/Rebuilt:(NEW)

Packed: 07/15/2022

Customer Name: CIRRUS DESIGN CORPORATION

Shipping Address: DULUTH INTERNATIONAL AIRP

Component	Serial Number	Component	Serial Number
CAMSHAFT	514195-1	STARTER ADAPTER	H-W052159
CRANKSHAFT	N22EA023	L. TURBO	H-ZFL00172
CRANKCASE	R22FA150	R. TURBO	H-ZFL00171
CONNROD	AE22AA231CP	WASTEGATE	H-ZDN00073
CONNROD	AE22AA107CP	OIL COOLER	E22-12342-69
CONNROD	AE22AA232CP	CYLINDER-1	AC22DB235
CONNROD	AE22AA236CP	CYLINDER - 2	AC22DB084
CONNROD	AE22AA225CP	CYLINDER - 3	AC22DC016
CONNROD	AE22AA111CP	CYLINDER - 4	AC22EA269
L MAGNETO	D22FA036	CYLINDER - 5	AC22DC025
R MAGNETO	D22FA038	CYLINDER - 6	AC22DB774
FUEL PUMP	B22FA034	NOZZLE - 1	1515
MANIFOLD VALVE	C22FA040	NOZZLE - 2	2531
METERING UNIT	A22EA188	NOZZLE - 3	3531
STARTER	H-W060292	NOZZLE - 4	4531
ALTERNATOR	H-W041075	NOZZLE - 5	5520
NOZZLE - 6	6526		

Pack Inspection Stamp

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.