

N226CH



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:06/30/2022

Test Date:06/30/2022

This engine model IO550N41B, serial number 1043734 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.

M J Roberts

CONTINENTAL MOTORS, INC.

Form 6012-03 (Rev Sept 2014)



DOMINION AVIATION

Date: 9/21/2022; Aircraft: 226CH; Type: CIRRUS SR-22; S/N: 0875; Hobbs: 2342.30; Tach: AC AirTime: Total Time: 2342.30; Engine - Type: IO-550N, S/N: 1043734, Time: Prop - Type: PHC-J3YF-1RF, S/N: FP2736B, Time: @

ENGINE

Removed Alternator 1 p/n 646843 s/n 002DA072 from engine s/n 917257. Checked alternator for torque slippage in reference to TCM SB11-3, checked good. Installed alternator on engine s/n 1043734. Ref Cirrus AMM 24-30.

Removed #2 alternator p/n BC410-1 s/n 0142413 from engine s/n 917257 and installed on engine s/n 1043734. Ref Cirrus AMM 24-30

Adjusted engine idle as required. Ground ran aircraft and checked for normal operations, ops check good. Ref Continental M-0

Removed and replaced engine mounts with new (p/n 96301-01) mounts. Installed new engine (p/n IO550N41 s/n 1043734). Routed and secured control cables and wiring. Installed exhaust and baffling. Drained engine of preservative. Serviced engine with 8 quarts of Aeroshell 100 mineral oil. Ground ran aircraft and checked for normal operation and leaks. Ops and leak check good. Ref Continental standard practices manual M-0, and Cirrus SR22 AMM.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 34973
Signed *[Signature]*
Dominion Aviation CRS# ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793



DOMINION AVIATION

Date: 10/19/2022; Aircraft: 226CH; Type: CIRRUS SR-22; S/N: 0875; Hobbs: 2361.90; Tach: 2341.30; AC AirTime: 2341.30; Total Time: 2361.90; Engine - Type: IO-550N41, S/N: 1043734, Time: 2360.90; Prop - Type: PHC-J3YF-1RF, S/N: FP2736B, Time: 19.60

ENGINE

Complied with the oil and filter change. Serviced with 8 quarts of Aeroshell 100 Mineral. Installed new oil filter p/n AA48108-2. Cut open the old filter and found no defects. Ran the engine and no leaks detected.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 35234
Signed *[Signature]*
Dominion Aviation CRS# ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793

DAS FORM LB-1

vice and Maintenance Record

ice actions including engine part removal and npliance with inspections, Airworthiness Directives, i, Modifications and Service Bulletins



Complied with the Annual and 100 hour inspection in accordance with Dominion Aviation Services FORM 0100 which meets the requirements of FAR 43 appendix D and with reference to Cirrus SR22 maintenance manual chapter 5.

Checked and listed all applicable Airworthiness Directives using ATP revision dated 12/09/2022.
Complied with the logbook research.
Updated the computer profiles.

Performed post engine oil and fuel system leak checks: no leaks found.

Complied with the 100 hour lubrication as required in chapter 12.

Cleaned engine of residual oil / dirt buildup as required with mineral spirits and dried with shop air.

Complied with a compression check on all engine cylinders. The readings were as follows: #1 - 74/80, #2 - 74/80, #3 - 76/80, #4 - 76/80, #5 - 76/80, #6 - 72/80. Master orifice 46/80

Complied with the oil and filter change. Serviced with 8 quarts of Aeroshell 15w50. Installed new oil filter p/n CH48108-1. Cut open the old filter and found no defects. Ran the engine and no leaks detected.

Removed the spark plugs. Inspected, cleaned, gapped and rotated the spark plugs. Reinstalled the spark plugs with new gaskets, p/n M674. Reference : Tempest aviation service manual 1710A.

Complied with borescope inspection of all engine cylinders. Good cross hatching on all cylinder walls.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station.

Signed [Signature] CBS# ODAR018H

I certify that this ENGINE has been inspected in accordance with a/an 100 hr/Annual inspection and was determined to be in airworthy condition. Details on file at this facility.

Inspector 

Work Order # 35343


Dominion Aviation CRS# ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793

ord maintenance actions including engine part removal and
allation and compliance with inspections, Airworthiness Directives,
cial Inspections, Modifications and Service Bulletins

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 →					
1-29-2023	244	3	102	0	<p>Drained oil TOOK sample, Replaced oil filter with new champion CH4109-1 safety wired, Replaced oil with 8 qts Aeroshell 15W-50. An engine checked for leaks, none found. Serviced & Battery. Diato M. Leith PP 1486239</p>
1-29-2023	244	3	102	0	<p>Chg oil filter, checked mag for contaminants visually and with magnet. Nothing found Diato M. Leith PP 1486239</p>

Date: 3/21/2023; Aircraft: N226CH; Type: SR22; S/N: 0875

HOVA Flight Services | 804-798-600
 | 11152 Air Park Road, Ashland, Virginia, 23005, USA
 23-14087
 Tach: 2445.4
 Discrepancy: 1
 Oil change requested by owner in compliance with new Continental AD 2023-05-16
 Drained oil and removed filter. No contaminants found. Replenished engine with 7 quarts of Aeroshell 15W-50 and installed AA4109 oil filter. No leaks present at this time and operations performs satisfactory. Engine was run up to operating temperatures and no leaks found during and after run up. Operation of engine performs satisfactory and has been determined to make the flight from KOFP to KFCI safely. No faults known at this time.
 Stephen M Leo AP3678028

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Carried forward →					 <p>DOMINION AVIATION</p> <p>Date: 3/22/2023; Aircraft: 226CH; Type: CIRRUS SR-22; S/N: 0875; Hobbs: 2445.30; Tach: AC AirTime:; Total Time: 2445.30; Engine - Type: IO-550N41, S/N: 1043734, Time: 103.00; Prop - Type: PHC-J3YF-1RF, S/N: FP2736B, Time: 103.00 **Airframe**</p> <p>I have Inspected this Aircraft and found it to be safe for the intended ferry flight from KOFP to KFCI. All ADs pertaining to this flight have been complied with.</p> <p>Special Flight Permit request per AD 2023-05-16: Oil and filter change complied with date 3/21/2023. Aircraft total time 2445.4. Complied with by shop name, HOVA Flight Services. Per HOVA Flight Services, No Contaminants found in filter.</p> <p>The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under</p> <p>Work Order number <u>35580</u></p> <p>Signed <u>[Signature]</u></p> <p>Dominion Aviation CRS# ODAR018H 7511 Airfield Drive Richmond, Virginia 23237 (804) 271-7793</p> <p>DAS FORM LB-1</p>



DOMINION AVIATION

Date: 4/07/2023; Aircraft: 226CH; Type: CIRRUS SR-22; S/N: 0875; Hobbs: 2446.70; Tach: AC AirTime:; Total Time: 2446.70; Engine - Type: IO-550N41, S/N: 1043734, Time: 104.40; Prop - Type: PHC-J3YF-1RF, S/N: FP2736B, Time: 104.40

ENGINE

Complied with AD 2023-05-16 To Prevent Departure of Counterweight & Retaining Ring Eff. Dt. 03/15/2023 C/W paragraph (G) by completing Continental MSB23-01A Paragraphs III. Found All Three conditions specified in Figure 1 are met.

Removed and reinstalled #1 cylinder (P/N 658815A1 S/N AC22D823) with new gaskets and hardware in reference to Continental IO-550-N Maintenance and Overhaul Manual M-16 Rev. 2.

Removed and reinstalled #3 cylinder (P/N 658815A1 S/N AC22CC179) with new gaskets and hardware in reference to Continental IO-550-N Maintenance and Overhaul Manual M-16 Rev. 2.

Reinstalled exhaust stud in Cylinder 1 exhaust port with reference to Continental M-0 Appendix C section 6.

Removed #1 and #3 cylinder rocker box covers, cleaned mating surfaces and reinstalled with new gaskets (PN: 668893). Work performed was with reference to Continental standard practice manual M-0.

Verified oil quantity is sufficient on dipstick.

Performed ground engine run. No leaks detected.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 35611

Signed [Signature]

Dominion Aviation CRS# ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793

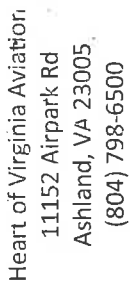
Ice and Maintenance Record

ice actions including engine part removal and npliance with inspections, Airworthiness Directives, i, Modifications and Service Bulletins

6-4-2023	2490.1	147.8	since new	Drained oil, Took sample, Replaced FILTER with new AA 4109, safety wired filter. Replaced oil with 8QTs Aero Shell 15W-50. Ran Engine, checked for leaks, none found.
7-30-2023	2581.6	198.3	since new	Drained oil, Took sample, Replaced filter with new TAMPET AA 48109 filter. Torqued and safety wired. Replaced oil with 8QTs AeroShell 15W-50, Ran Engine, checked for leaks, none found.
				Drained oil, Took sample, Replaced filter with new TAMPET AA 48109 filter. Torqued and safety wired. Replaced oil with 8QTs AeroShell 15W-50, Ran Engine, checked for leaks, none found.
				Drained oil, Took sample, Replaced filter with new TAMPET AA 48109 filter. Torqued and safety wired. Replaced oil with 8QTs AeroShell 15W-50, Ran Engine, checked for leaks, none found.
				Drained oil, Took sample, Replaced filter with new TAMPET AA 48109 filter. Torqued and safety wired. Replaced oil with 8QTs AeroShell 15W-50, Ran Engine, checked for leaks, none found.
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				Drained oil, Took sample, Replaced filter with new TAMPET AA 48109 filter. Torqued and safety wired. Replaced oil with 8QTs AeroShell 15W-50, Ran Engine, checked for leaks, none found.
				Drained oil, Took sample, Replaced filter with new TAMPET AA 48109 filter. Torqued and safety wired. Replaced oil with 8QTs AeroShell 15W-50, Ran Engine, checked for leaks, none found.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Carried forward					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
11-24-23	2593.2		249.9		<p>DRAINED OIL, TOOK SAMPLE, REPLACED FILTER WITH NEW CHAMPION CH48109-1 TORQUED TO 15 FT/LBS AND SAFETY WIRED. REPLACED OIL WITH 8 QUARTS AEROSHELL 15W-50. RAN ENGINE AND CHECKED FOR LEAKS, NON DETECTED. SERVICED #1 BATTERY.</p> <p><i>Thom Grimes</i> #1973895 CP</p>
					<p>Heart of Virginia Aviation 11152 Airpark Rd Ashland, VA 23005</p> <p>Phone: 804-798-6500 Fax: 804-798-6544 01/08/2024</p> <p>N226CH Continental IO-550N41 SN: 1043734 HOBBS: 2607.3 ETT: 2607.3 SMOH: 264</p>
					<p>1) Performed Annual Inspection</p> <p>2) Engine Compressions 1: 64/80, 2: 70/80, 3: 60/80, 4: 68/80, 5: 64/80, 6: 68/80.</p> <p>3) Drained oil and reserviced with 7 quarts of Aeroshell 15W-50.</p> <p>4) Replaced Oil Filter with new Tempest Filter PN: AA48109.</p> <p>5) Removed, inspected, reinstalled fuel bowl and screen with new o-rings.</p> <p>6) Inspected exhaust mufflers. No faults noted.</p> <p>7) Removed, cleaned, gapped, inspected and reinstalled 12 spark plugs with new washer gaskets.</p> <p>8) AD research completed thru Biweekly 2024-01 and applicable AD's complied with.</p> <p>9) Post maintenance leak checks completed. No faults found at this time.</p>
					<p>I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. All operational and leak checks satisfactory.</p> <p>Tommy Grimes A&P 35546531 IA <i>Tommy Grimes</i></p>

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Carried forward →					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
5/31/24	265.1		50.9		Drained oil, Took sample, Replaced Filter with new Tempest AA48109,
SINCE NEW	2		314.9		Torqued to 15 ft lbs And safety wire Replaced oil w/ 8 qts Aeroshell w/ 15W50 RAN Engine and checked for leaks NOV Detected Service #1 Battery JANUARY # 3557741
8-4-2024	2713.2				DRAINED oil, obtained oil sample. Replaced oil filter with Tempest AA 48109 filter, Torqued to 15 FT LBS and safety wire. RAN Engine checked for leaks, none found. Hilton M. Withers PP # 1486239 Filled with 8 QTS AEROSHELL 15-50 Hilton M. Withers PP 1486239
SINCE NEW			369.9		



Date: 02-14-2025
Registration #: N226CH

Shop Order: H24-15593

Component: Airframe	Make: Continental	Model: IO-550N41B	SN: 1043734
AFT: 2815.6	ETT: 493.9		

Compiled with the following Scheduled Inspections:

- Complied with **ANNUAL ENGINE** inspection referencing HOVA 100 HR/ANNUAL and Cirrus SR22 Inspection Checklist.

Compiled with the following Maintenance Items:

- Drained oil and removed oil filter; no contaminants found. Replenished engine with Aeroshell 15W50 (8 quarts) and installed new oil filter.
- Fabricated small single lap skin splice in reference to AC43.131b Fig 4-5 pg 4-23 on front left engine baffle.
- Removed and replaced alternate air cable bracket attached at engine.
- Compressions @ 80 PSI: 1/73, 2/75, 3/69, 4/66, 5/70, 6/71
- Removed and replaced all spark plugs due to past tolerance on "go/no go" gauge; All spark torqued to 30 ft. lbs.

Compiled with the following AD's: Researched Bi-weekly 2025-04

I certify this **ENGINE** has been inspected IAW **ANNUAL** Inspection per 14 CFR 43 Appendix (a) and was determined to be in airworthy condition.

Signature:

Date: 02/14/2025

Stephen M Leo AP36780281A

Maintenance Record

cluding engine part removal and inspections, Airworthiness Directives, and Service Bulletins

		TACH TIME	
9/22/25	2853.0	CHANGED OIL + FILTER	
		INSPECTED FILTER - NO METAL FOUND	
		SENT OIL SAMPLE TO	
		BLACKSTONE BUT SEEMS TO	
		BE LOST IN TRANSIT	

Engine Logbook

Date: December 1, 2025



Reg No: N226CH	Aircraft Type: SR22	Aircraft S/N: 0875
Flight Hours: N/A	Hobbs: 2866.4	Aircraft Total Time: 2866.4

1. Performed compression test **M/O 46/80 1:67/80 2:70/80 3:70/80 4:70/80 5:70/80 6:71/80.**
2. Cut and inspected oil and found no discrepancies at this time. Installed new **Tempest** oil filter **P/N AA48109-2.**

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 12-1-2025

Signed: 
Cody Ray Matthews A/P 3804633.