

HOBBS

000206-

HOURS

FLIGHT

000147

HOURS

AIRCRAFT LOG
AF5-1



SHERWIN-WILLIAMS.
Aerospace Coatings

N 420SS

Base Coat Colors:

FROST BLUE

SGM201232

Use compatible primer and clear per
AMM and SW product data sheets

North America [REDACTED]
International [REDACTED]
www.swaerospace.com
[REDACTED]
Andover, KS (USA) 67002

AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN CORP MODEL SR22 DATE OF MFG. JUL 2022
SERIAL NUMBER 8750 REGISTRATION NUMBER N420SS

REGISTERED OWNER _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

OPERATOR _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

OPERATOR _____

STREET ADDRESS _____

CITY, STATE, ZIP' _____

Inspection Status (Check one)

☐

F.A.R. 91.409 ANNUAL/100 HOUR

☐

F.A.R. 91.409 PROGRESSIVE

☐

F.A.R. 135.419 A.T.C.O.

☐

OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

[illegible]

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
		30 JUL 2022 1.2 HRS	All Airworthiness Directives have been reviewed through bi-weekly issue <u>2022-15</u> . At this time, there are no Airworthiness Directives which are applicable to this aircraft, aircraft engine, propeller or its accessories.			[Redacted Signature]
		30 JUL 2022 1.2 HRS	All mandatory Service Bulletins that apply to Cirrus Design Corporation Model SR <u>22</u> S/N <u>8750</u> have been verified to be incorporated and/or not applicable at this time. CDC [Redacted] on <u>30/JUL/2022</u> Cirrus Design Corporation Duluth, MN USA PC# [Redacted]			

ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

[illegible]

DESCRIPTION OF WORK PERFORMED
OR APPROVED DATA USED

MAKE: CIRRUS DESIGN CORP
MODEL: SR22
S/N: 8750
REG. NO: N420SS
WORK ORDER: KTYS27726-08-2022



Cirrus Factory Service Center

Repair Station No.

Alcoa, TN 37701

Phone:

DATE: 8/17/2022
A/C TSN: 5.7
TACH: 5.7

Airframe Entries

- (3) Installed Spinner IAW Cirrus SR22 AMM 61-10.
- (4) Painted spinner IAW Cirrus SR22 AMM 51-20 and 51-30.
- (5) Touched up paint chips on upper cowl IAW Cirrus SR22 AMM 51-20 and 51-30.
- (6) Buffed out scratch on LH WRF IAW Cirrus SR22 AMM 51-20.
- (7) Minimized scratches on LH aft edge of windscreen IAW Cirrus SR22 AMM 51-20.
- (8) Buffed out scratch on LH cowl IAW Cirrus SR22 AMM 51-20.
- (9) Touched up paint on RH aft edge of windscreen IAW Cirrus SR22 AMM 51-30.
- (10) Touched up paint on LH Door IAW Cirrus SR22 AMM 51-20 and 51-30.

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 [REDACTED]

DATE: 8/17/2022

SIGNED

Linda Myers

Certified Repair Station No.

Work Order: KTYS27726-08-2022

Printed by EBis 3 (datcomedia.com)

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		 CIRRUS Cirrus Factory Service Center MAKE: CIRRUS DESIGN CORP MODEL: SR22 S/N: 8750 REG. NO: N420SS WORK ORDER: KTY527769-08-2022 Airframe Entries (3) Re secured RH Door Panel IAW Cirrus SR22 AMM 25-10. (4) Re secured LH Door Panel IAW Cirrus SR22 AMM 25-10. (5) Removed and Installed New Pilot Cup Holder P/N:51179-001 IAW Cirrus SR22 AMM 25-10. (6) Trimmed Co-Pilot Mesh Storage Pocket IAW Cirrus SR22 AMM 25-10. (7) Cleaned R/H B-Pillar Upper Edge IAW Cirrus SR22 AMM 25-10. 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 [REDACTED]	DATE: 8/21/2022 A/C TSN: 5.7 TACH: 5.7 Repair Station No. [REDACTED] Alcoa, TN 37701 Phone: [REDACTED]
		DATE: 8/21/2022 SIGNED: [REDACTED] Steven Hall Certified Repair Station No. [REDACTED]	Work Order: KTY527769-08-2022 Printed by EBis 3 (datcomedia.com)

MAKE: CIRRUS DESIGN CORP
 MODEL: SR22
 S/N: 8750
 REG. NO: N420SS
 WORK ORDER: KTY527810-08-2022



CIRRUS Cirrus Factory Service Center

Repair Station No. [REDACTED]
 Alcoa, TN 37701
 Phone: [REDACTED]

DATE: 8/28/2022
 A/C TSN: 5.7
 TACH: 5.7

Airframe Entries

- (3) Resecured pilot side arm rest IAW Cirrus SR22 AMM 25-10.

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 [REDACTED]

DATE: 8/28/2022

SIGNED: [REDACTED]

Steven Hall
 Certified Repair Station No. [REDACTED]

Work Order: KTY527810-08-2022

Printed by EBis 3 (datcomedia.com)

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION—STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE



CIRRUS

AIRCRAFT

Production Flight Test accomplished in accordance with Cirrus Procedure #90502.

Name: Mark Matthys Title: Production Flight Test Pilot

Signature:

Date: 24 Jul 2022

I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated 30 / Jul / 2022.
The next inspection is due 31 / Jul / 2023.

Damean J. McDonald



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:
[REDACTED] Toll free in the United States or [REDACTED] 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
[REDACTED]
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:
Continental Services
Factory Service Center
[REDACTED]
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. [REDACTED]

Printed: 04/18/2022

Test Date: 04/18/2022

This engine model I0550N70B, serial number 1043449 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)

**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. [REDACTED]

Printed: 04/18/2022

Test Date: 04/18/2022

This engine model I0550N70B, serial number 1043449 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.

ment

R ADAPTER

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 2225 OIL TEMP 181 OIL PRESSURE 54.9

OIL PRESSURE PICK UP POINT: ENGINE INLET AT
OIL COOLER

655310 Rev.D

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 I0550N70B

Engine Serial Number 1043449

Testing Completed

Standard Acceptance Test:

Date of Completion 4.14.22 Test Operator [REDACTED]



Continental Motors, Inc.

Customer Copy



Form No. QA-85A
(Rev Sept 2014)

Continental Motors

Engine Component Information Sheet

Printed: 04/18/2022

Serial: 1043449

Spec: ID550N70B

New/Rebuilt: (NEW)

Assembled: 04/12/2022

Shipped: / /

Packed: 04/18/2022

Customer Name: CIRJUS DESIGN CORPORATION

Shipping Address: DULUTH INTERNATIONAL AIRP

Component	Serial Number
CAMSHAFT	510795-9
CRANKSHAFT	N22CA015
CRANKCASE	R22BA471
CONNROD	AE21II492CP
CONNROD	AE21II496CP
CONNROD	AE21IJ148CP
CONNROD	AE21IJ101CP
CONNROD	AE21IJ093CP
CONNROD	AE21II500CP
L MAGNETO	D22CA168
R MAGNETO	D22CA164
FUEL PUMP	B22CA065
MANIFOLD VALVE	C22CA031
METERING UNIT	A22CA107
STARTER	H-V031394
ALTERNATOR	H-W031229

Component	Serial Number
STARTER ADAPTER	H-W031855
OIL COOLER	F21-6497-74
CYLINDER-1	AC22CA828
CYLINDER - 2	AC22CA296
CYLINDER - 3	AC22CA354
CYLINDER - 4	AC22BA230
CYLINDER - 5	AC22BB257
CYLINDER - 6	AC22CA284
NOZZLE - 1	1234
NOZZLE - 2	2234
NOZZLE - 3	3239
NOZZLE - 4	4239
NOZZLE - 5	5236
NOZZLE - 6	6229

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.

Engine Model 10-550N70B
 Serial# 1043449
 Test Document TH-3215 Rev K
 Software/Form Release# 2.03.2, 05/27/20
 Start Time 4/13/2022, 12:32:17
 Accepted Time 4/14/2022, 06:02:51
 Cell# & Operator 4. 40976
 Sea Level Power 310 HP @ 2700 Prop RPM
 Vapor Pressure 0.65 in HG
 Temp, Wet Baro 77.40 F, 29.92 in HG



Aircraft Engine Standard Acceptance Test Log

(Form TH-125)

Test Club# D2258A
 Rqrd Pitch 20±.5
 Actual Pitch 20
 Mixture Check Pass
 Alternator Check

Mag Data	Required	Actual
Eng Speed Both	2100	2109
Eng Speed Right	N/A	2030
Right Mag Drop	150	78
Eng Speed Left	N/A	2030
Left Mag Drop	150	79
Mag Drop Spread	50	0
Fuel Flow (Ref.)	62	65

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	14:22:13	14:23:22	14:26:25	14:27:42	14:38:31	15:03:51	05:07:26	05:54:56
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	01:02	10:00	05:00
Prop Speed Rqd (RPM)	1175-1225	1575-1625	2425-2475	2724-2774	2489-2514	575-625	2477-2502	2476-2501
Prop Speed	1184	1594	2458	2725	2505	578	2483	2492
Manifold Press Rqd (inHg)	N/A	N/A	N/A	26.3-29.3	N/A	18.5 MAX	N/A	N/A
Manifold Press	13.3	15.2	23.1	28.1	23.9	14.6	23.0	22.8
Turbo Dis Press Rqd (inHg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbo Dis Press	30.0	30.1	30.3	30.5	31.0	30.2	29.7	29.7
Fuel Flow Rqd (lb/hr)	N/A	N/A	N/A	152.6-162.6	108.8-124.8	N/A	N/A	N/A
Fuel Flow	14.1	29.3	104.8	158.9	109.6	6.2	107.7	105.8
Nozzle Press Rqd (PSID)	N/A	N/A	N/A	20.5-21.7	13.3 REF	N/A	N/A	N/A
Nozzle Press	4.6	5.0	12.6	21.7	12.6	3.6	12.9	13.0
Fuel Pump Press Rqd (PSIG)	N/A	N/A	N/A	30.0 REF	N/A	8.0-10.0	N/A	N/A
Fuel Pump Press	12.8	17.3	30.6	31.7	30.7	8.0	30.9	31.0
Fuel Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Temp	65	63	59	58	63	64	53	52
Ambient Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient Temp	78	78	79	79	79	79	69	69
Eng Inlet Oil Temp Rqd (°F)	90-240	120-240	165-240	180-240	165-240	140-240	165-240	165-240
Eng Inlet Oil Temp	156	158	178	181	207	171	165	160
Eng Oil Press Rqd (PSIG)	30.0 MIN	30.0 MIN	30.0 MIN	49.2-60.2	30.0 MIN	19.0 MIN	30.0 MIN	30.0 MIN
Eng Oil Press	49.0	52.4	57.2	54.9	48.1	28.7	60.9	59.5
Min Cylinder Temp Rqd (°F)	150 MIN	175 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	235	252	332	375	400	244	332	320
Cylinder 2 Temp	220	242	318	353	370	251	321	316
Cylinder 3 Temp	214	226	273	299	333	241	266	251
Cylinder 4 Temp	223	245	320	348	371	234	315	308
Cylinder 5 Temp	209	230	305	336	355	206	303	295
Cylinder 6 Temp	182	194	255	201	298	163	254	250
Collar Press Differential Rqd (PSID)	N/A	N/A	N/A	15.5 MAX	N/A	N/A	N/A	N/A
Collar Press Differential	1.5	2.0	2.6	2.6	1.8	0.6	4.0	3.6

HARTZELL

PROPELLER OWNER'S MANUAL



HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL PHC-J3YF-1RF

PROPELLER S/N FP99999B

LOGBOOK # 1

PROPELLER MAINTENANCE RECORD

Position ONE

PITCH RANGE

Propeller Model PHC-J3YF-1RF

High/Feather

Propeller S/N FP9999B

Start Lock

Blade Design F7693DF

Low

Blade S/N's

Reverse

No. 1 M22722

No. 2 M22723

Aircraft Manufacturer CIRRUS DESIGN CORP

No. 3 M22724

Aircraft Model SR22

No. 4

S/N 8750

No. 5

Registration N420SS

No. 6

Spinner Assembly Part No.

Anti-Ice and De-Ice Systems

Maintenance Drilling

7998-SL-61-265, Rev. 3

nspection

[illegible]

HARTZELL PROPELLER INC

INSPECTION

Item Number: J3F09150

Date: 5/10/2022

Work Order #: M356470

Model Number PHC-J3YF-1RF/F7693DF											
Ass'y Ser No. FP9999B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA					
Blade 1: M22722		Blade 2: M22723		Blade 3: M22724		Blade 4:		Blade 5:		Blade 6:	
Clamp 1: NA		Clamp 2: NA		Clamp 3: NA		Clamp 4: NA		Clamp 5: NA			
Reverse NA	Start Lock NA	Low Pitch 13.9	High Pitch 40.0	Feather NA	Position 3	Orient. L	Qty: AI 1	St 1	Scrw 0	A-2424-1 0	Washer 0
Ref Radius (inches) for angles: 30											
Comments: Deice Kit: NA											
Packing Certified By:		[REDACTED]		Date: 5/10/22							
Inspected By: Tim Jess											

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.

The propeller covered by this certificate has passed a functional test as required by 14 CFR Part 21.137(e)(2).

HARTZELL PROPELLER INC

Item Number: J3F0950

Date: 5/10/2022

INSPECTION

Work Order #: M356470

Model Number PHC-J3YF-1RF/F7693DF											
Ass'y Ser No. FP9999B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA					
Blade 1: M22722		Blade 2: M22723		Blade 3: M22724		Blade 4:		Blade 5:		Blade 6:	
Clamp 1: NA		Clamp 2: NA		Clamp 3: NA		Clamp 4: NA		Clamp 5: NA			
Reverse NA	Start Lock NA	Low Pitch 13.9	High Pitch 40.0	Feather NA	Position 3	Orient. L	Qty: AI 1	St 1	Scrw 0	A-2424-1 0	Washer 0
Ref Radius (inches) for angles: 30											
Comments: Deice Kit: NA											
Packing Certified By:					Date:						
Inspected By: Tim Jess											

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.
The propeller covered by this certificate has passed a functional test as required by 14 CFR Part 21.137(e)(2).

HARTZELL PROPELLER INC

Item Number: J3F09150

Date: 5/10/2022

INSPECTION

Work Order #: M356470

Model Number PHC-J3YF-1RF/F7693DF											
Ass'y Ser No. FP9999B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA					
Blade 1: M22722		Blade 2: M22723		Blade 3: M22724		Blade 4:		Blade 5:		Blade 6:	
Clamp 1: NA		Clamp 2: NA		Clamp 3: NA		Clamp 4: NA		Clamp 5: NA			
Reverse NA	Start Lock NA	Low Pitch 13.9	High Pitch 40.0	Feather NA	Position 3	Orient. L	Qty: AI 1	St 1	Scrw 0	A-2424-1 0	Washer 0
Ref Radius (inches) for angles: 30											
Comments: Deice Kit: NA											
Packing Certified By:					Date:						
Inspected By: Tim Jess											

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.
The propeller covered by this certificate has passed a functional test as required by 14 CFR Part 21.137(e)(2).

HARTZELL PROPELLER INC

Item Number: J3F09150

Date: 5/10/2022

INSPECTION

Work Order #: M356470

Model Number PHC-J3YF-1RF/F7693DF											
Ass'y Ser No. FP9999B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA					
Blade 1: M22722		Blade 2: M22723		Blade 3: M22724		Blade 4:		Blade 5:		Blade 6:	
Clamp 1: NA		Clamp 2: NA		Clamp 3: NA		Clamp 4: NA		Clamp 5: NA			
Reverse NA	Start Lock NA	Low Pitch 13.9	High Pitch 40.0	Feather NA	Position 3	Orient. L	Qty: AI 1	St 1	Scrw 0	A-2424-1 0	Washer 0
Ref Radius (inches) for angles: 30											
Comments: Deice Kit: NA											
Packing Certified By:					Date:						
Inspected By: Tim Jess											

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.
The propeller covered by this certificate has passed a functional test as required by 14 CFR Part 21.137(e)(2).