

N858RC

ACR ELECTRONICS, Inc.
Artex Products - CAGE Code 18560
Fort Lauderdale, FL 33312

LOG BOOK ENTRY

08/16/2013

E.L.T. BATTERY

REPLACEMENT DATE OCT-2020

AIRCRAFT LOG
AF5-1

AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN CORP. MODEL SR22 DATE OF MFG. FEB 2008

SERIAL NUMBER 2939 REGISTRATION NUMBER N939CT

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 _____

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	Teledyne Continental Motors	I0550-N	R 691510 L
ENGINE			R L
PROPELLER	Hartzell Propeller inc.	RHC-J3YF-1N	FP6423B
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
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PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)

2386-01-2023 (03-24-2023)

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MAKE: Cirrus Design
MODEL: SR22
S/N: 2939
REG. NO.: N858RC

Tubreaux Aviation Maintenance, LLC.

W/O #: 2386-01-2023
DATE: 03-24-2023
A/C TT: 2649.4
A/C Tach: 2649.4

Airframe Entries

1. Comply with Annual Inspection. SR22TN w/Oxygen and Ice protection.... Completed Annual inspection in accordance with the Cirrus SR22 AFMM 05-20
2. Opened/removed all interior/exterior inspection panels, seats, cowls, and fairings. Inspected all structures, wiring, plumbing, and systems.
3. Inspected All Control System Components for Continuity, Security, Proper Attachment, And Proper Operation Thru Specified Range Limitations. No defects were found.
4. Performed Complete Electrical Systems Checks, Inspected the main battery (#1) CAP tested to 98.9%, No defects were found. (#2) batteries were due 7/2021. (Owner deferred)
5. Completed AD Research Small Aircraft, Biweekly 2023-06, 02/27/2023-03/12/2023. No AD's applied at this time. See Summary for details.
6. Inspected Landing Gear to Include Wheels, Brakes, Plumbing, And Fixtures. Cleaned and inspected all 3 wheels. Inspected Brake calipers and Brake linings, No over temps, leaks, and Linings replaced, see later entry.
7. Inspected All Fuel System Plumbing, Fittings, And Attachments No Defects were Found in Serviced Aircraft Fuel Storage systems. Checked for Leaks, Proper Quantity Indication, fuel cap sealing, Fuel Drain Operation, and Fuel Selector Operation. No Defects were Found. Inspected

AlterationsNumber of
specific entries.)YEAR
20
DATERECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
TIME IN
SERVICE**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

2386-01-2023 (03-24-2023)

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Fuel gascolator screen for contamination. No defects were found. Torque and Re safety.

8. Removed and installed a new Air filter. Function Checked EMA module (Seat Inflators), See later entry.

9. FAR 91.411 and FAR 91.413 Inspections are current at this time, Next Cert is due 07/2024.

10. Closed all panels, fairings, and cowlings as removed.

11. Airplane operational and function checklist completed.

12. Completed the following Inspections and corrected the following discrepancies.

13. C/W SA21-16 Verification of CAPS Electric Ignition Checkout Procedure at Annual Inspection.

... C/W SA21-16 Verification of CAPS Electric Ignition Checkout Procedure in accordance with Cirrus SR22/SR22T AMM Ch.95-00. All voltages, diodes, and resistors check out within the limits of the procedure guidance. The next check is 03/2024.

14. Amsafe 12mo. System Check Due.

... The test was completed, and the Pilot seat is good. The Copilot seat is giving an error for the inflator. Troubleshooting finds the inflator is bad, Removed and installed a new Co-Pilot inflator. Op's checked normal.

15. Comply with Instructions for Continued Airworthiness Cirrus SR22/SR22T Built-In Oxygen System STC Number SA01708SE. ... Completed testing and inspection with no defects. Serviced system back to max operating pressure.

16. Comply with Instructions for Continued Airworthiness For Cirrus Design SR22 Series Airplanes Turbonormalized per STC's SA10588SC and SE10589SC

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
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2386-01-2023 (03-24-2023)

Airplanes Turbonormalized per STC's SA10588SC and SE10589SC

... Completed inspections per the ICAW.

17. Comply with TANIS INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Document No: TICA3052 Dated: REV. A, AUG-29-2014

FOR CIRRUS SR20 / SR22 / SR22T ENGINE PREHEAT SYSTEM

... Complied with Tanis System Inspection Per Instructions For Continued Airworthiness

Document No: TICA 3052 Dated: Rev. A, Aug-29-2014 For Cirrus SR20 / SR22 / SR22T Engine Preheat System.

18. GNS430W#2 has error displayed G/S needs service

Researched and the Glideslope board needs service. Needs to go to the Avionics shop. ...

Removed the unit and sent it to Garmin for repairs as necessary. Reinstalled and checked configuration. Op's checked normal.

19. GNS430W#2 has an error displayed Stormscope device has failed.

Re-Recked the unit and checked, probably a software issue. Needs an avionics shop.

Corrected with Item 19.

20. Brake linings worn to the mounting pins.

... Removed and installed all new brake linings in accordance with Cirrus SR22/SR22T AMM Ch. 32-42

21. The oxygen Bottle is due 15yr Replacement.

... Installed new bottle assy with an overhauled regulator. Serviced and Op's checked normal

22. Turbo V-Band Clamps are due for replacement.

and Certificate Number of
for other specific entries.)

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Business
R22T Engine

shop
checked

R22T AMM Ch

used normal

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2386-01-2023 (03-24-2023)				Page 4 / 4
... Removed and installed new V-Clamps in accordance with the ICAW.				
I certify that this aircraft has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Aircraft was returned to service this date.				
DATE: 03-24-2023		SIGNED: [Redacted]		WORK ORDER: [Redacted]
		Claude Bonnier A&P or IA Number: [Redacted]		Printed by EBIS [Redacted]

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

Powermaster Aircraft Engines

FAA CRS [REDACTED]

Engine Overhaul Record

PAE Work Order [REDACTED]

Date- 3-30-2020
 Engine Make- Continental
 Model- 10-550N-TN
 Serial Number- 691510
 Engine Total Time- _____
 TSMOH- "0"

This entry certifies this engine has been overhauled to manufactures new part limits. This engine has been disassembled, cleaned, inspected, overhauled and tested in accordance with CMI Overhaul manual M16 and Tornado Alley ICA's for fuel injection system.

This engine contains specialized components for TAT Turbo Normalizing system.

The following Accessories were overhauled or replaced new at time of overhaul unless noted:

Left Magneto-	BL-500556-101	D20BA420R	CMI OVH
Right Magneto-	BL-500556-101	D20BA432R	CMI OVH
Fuel Injection System:			
Pump-	ETI-SR22-2-12	GPS140	GPFM #20-171
Fuel Controller-	653353-8A1	A07KA191	GPFM #20-171
Manifold Valve-	646433-9A4	C07KA227	GPFM #20-171
Oil Cooler-	654585	G07-5672-456	Skyline
Starter-	646275-1	H-U011512	Hartzell

Internal Steel certified by Aircraft Specialties on WO-258809.

Installed TCM Camshaft PN-654084.

Installed Camshaft gear PN-656818 per MSB-05-088.

Installed Crankshaft gear PN-656991.

Installed 6 each new CMI cylinders assemblies PN 658658815A1, SN-AC20AA003, 006, 064, 094, 678, 703.

Installed CMI Ignition Harness PN-10-421674-21- Turbo Application.

Installed 12 each URHB-32E Spark Plugs.

AD's Complied With:

AD-93-16-15 Installed fuel pump drive coupling PN-653359.

AD-10-11-04 Installed 6 each 653877 and 6 each 653888, Hydraulic lifter assemblies.

SB18-08A, NA, by SN.

The engine and accessories listed above have been inspected and overhauled in accordance with current FAA regulations and were found airworthy for return to service.

WOW 20 0330

[REDACTED]
 William R. Cunningham
 Powermaster Aircraft Engines
 FAA CRS [REDACTED]

 SUB-TOTALS this page

TOTALS-Carry forward to next page

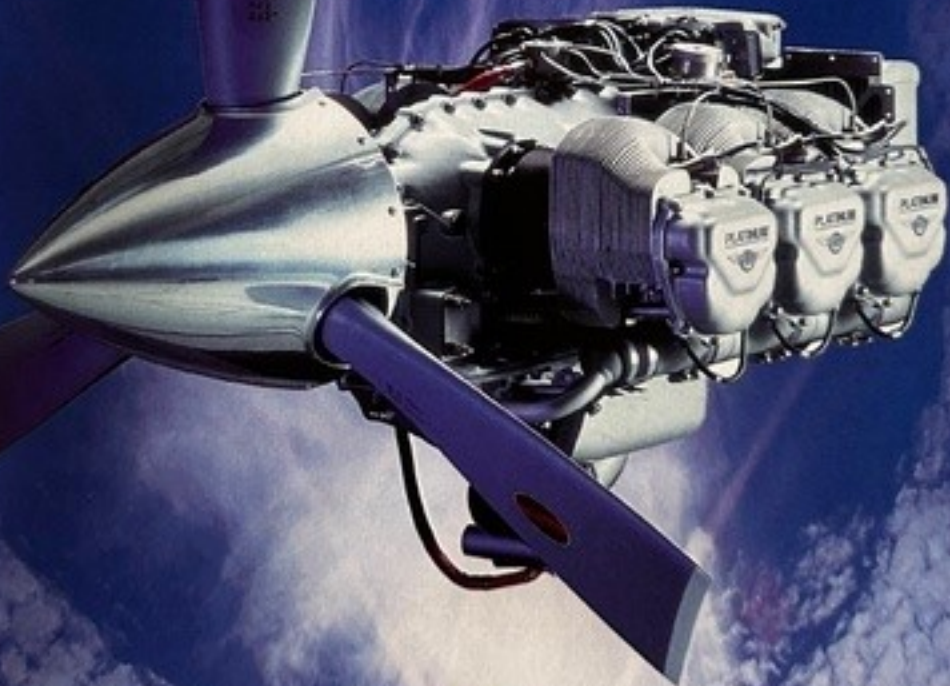
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
wo: WO_876 Carolina Aero Tech LLC MAINTENANCE ADDITION CONT MOTOR, IO-550-N, S/N: ENGINE SN TSD FLIGHT TIME: 2580.8 HOURS: 2789.1 October 13, 2022 Replaced Right Magneto with O-H unit from Kelly Aero LLC W/O 1938670, set timing to engine Data plate timing of 22 Deg. performed operational run up test Installed P/N 10-500556-101 - Bendix/TCM Magneto (OVERHAUL) S/N: K-09457. With respect to the work performed, this engine is approved for return to service. Jason Gruener AP/IA Engine - page 1 of 1				
2386-01-2023 (03-24-2023) MAKE: Cirrus Design MODEL: SR22 S/N: 2939 REG. NO.: N858RC ENGINE MODEL: IO550N50 ENGINE SN: 691510 Tubercule Aviation Maintenance, LLC WFO # DATE: 03-24-2023 A/C TT: 2649.4 A/C Tach: 2649.4 ENG TT: 427.0 TSMOH: 427.0 Page 1 / 2 Engine Entries 1. Comply with Engine 100-hour inspection. ... Completed a 100 Hr. inspection in accordance with the SR22 / Completed 100hr Engine Inspection IAW Cirrus SR22/SR22T AMM Ch. 6-3.4 100-Hour (Annual) Engine Inspection. 2. Drained oil and changed oil filter conducted, no defects found. 3. Performed compression check as follows, A1:72 A2:70 A3:73 A4:72 A5:74 A6:73. 4. Cleaned, gapped, and tested all spark plugs, no defects found. Rotated and reinstalled. 5. Completed engine borescope inspection and archived at this facility. 6. Removed all fuel injection nozzles, ultrasonically cleaned them, and reinstalled them with all new gaskets and seals. 7. Serviced Engine with Aeroshell W100 oil to capacity and 1 bottle of Camguard. 8. Engine washed and ground run. No defects were found. 9. Corrected the following run-up discrepancies.				
2386-01-2023 (03-24-2023) 10. Exhaust leaking @ #4 cylinder. Requires further investigation. Troubleshooting found there is some leakage from the slip joint only. Loosened and retorqued the exhaust to reseat. 11. No drop RH Mag. and HOT Mag at shutdown. ... Troubleshooting. Checked ignition switch, checked wiring and shield grounds no defects. Removed LH magneto opened condenser/ points cap and replaced the capacitor. Op's checked normal. Reinstalled the magneto and set the timing. Op's checked normal at shut down. 12. Engine over-boost to 32.5" ... Reset controller to 30.5" Page 2 / 2 I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Aircraft was returned to service this date. DATE: 03-24-2023 SIGNED: Claude Böhrer A&P or IA Number: WORK ORDER Printed by EBIS				

PLATINUM



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

Form No. ELB-01P

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 12/09/2007

This engine model 10550N50, Serial No. 691510 was manufactured on 12/07/2007 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

HARTZELL

N858RC

PROPELLER OWNER'S MANUAL



HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL PHC-J34F-1N

PROPELLER S/N FP6423B

LOGBOOK # _____

TESTING AND
TROUBLESHOOTING

INSTALLATION
AND REMOVAL

DESCRIPTION AND
OPERATION

INTRODUCTION

PROPELLER LOG

Date: 01/25/16

Tail #: N858RC

Hobbs: 1790.4

Flight Hobbs: 1582.8

Ebis WO#: [REDACTED]

Tubreaux Maintenance

Description:

Removed Hartzell propeller P/N: PHC-J3YF-1N S/N: FP6423B for overhaul. Overhaul completed by Hartzell Propeller Service Center. Reference Hartzell Order Number: CO 216965 for details of work performed. Reinstalled Hartzell Propeller P/N: PHC-J3YF-1N S/N: FP6423B after overhaul. Ground ran aircraft for operational and leak checks. No problems noted at this time. Performed maintenance test flight with no problems reported by the pilot. Reference Tubreaux Aviation Ebis Work Order: 0464-12-2015 for details of work performed. Aircraft returned to service this date.

Michael Roll

AP [REDACTED] A



PROPELLER LOG

Date: 02/10/16

Tail #: N858RC

Hobbs: 1795.9

Flight Hobbs: 1588.2

Ebis WO#: [REDACTED]

Tubreaux Maintenance

Description:

Removed McCauley propeller governor P/N: C290 D3 R/T23 Serial: 071509 and replaced with unit overhauled and returned to service by Quality Aircraft Accessories CRS# QYIR334Y using AC43.13 as a reference guide. Installed overhauled unit P/N: C290D3-R/T23 S/N: 880783. Static ground runs performed with proper function and without leaks. With regards to the above mentioned maintenance I certify that this propeller is airworthy and ok for continued service.

Todd Hoon

AP [REDACTED] A



PROPELLER LOG

Date: 02/10/16

Tail #: N858RC

Hobbs: 1795.9

Flight Hobbs: 1588.2

Ebis WO#: [REDACTED]

Tubreaux Maintenance

Description:

Performed annual inspection using Cirrus SR22 inspection report and FAR43.13 appendix 'd' as a guide. Researched AD's using ATP Navigator thru 2/10/16. Complete list of AD's are in aircraft records. I certify that this propeller has been inspected IAW a 100 Hours Inspection and was determined to be in an airworthy condition. This propeller was returned to service this date.

Todd Hoon

AP [REDACTED] A

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TESTING AND
TROUBLESHOOTING

INSTALLATION
AND REMOVAL

DESCRIPTION AND
OPERATION

INTRODUCTION

Date	Propeller	TS	2386-01-2023 (03-24-2023)	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair	Page 1 / 1	ns.
			MAKE: Cirrus Design MODEL: SR22 S/N: 2939 REG. NO.: N858RC PROP MODEL: PHC-J3YF-1N PROP 1 SN: FP6423B	Tubreaux Aviation Maintenance, LLC. [REDACTED]	W/O # [REDACTED] DATE: 03-24-2023 A/C TT: 2649.4 A/C Tach: 2649.4 Prop TT: 2649.3 Prop TSPOH: 1066.6	
			Propeller Entries			
			1. Comply with Propeller 100-hour inspection.... Completed a 100hr/Annual inspection in accordance with the Cirrus SR22 AFMM 05-20.			
			2. Ground run engine in accordance with Operational/Functional Check Ch 5-30 Pgs. 1-8.			
			3. Removed spinner assembly. Inspected hub, bulkheads, and associated parts for defects. No defects were found.			
			4. Serviced propeller hub with grease.			
			5. Inspected and dressed small nicks in the prop blades.			
			6. Cleaned and reinstalled spinner.			
			7. Propeller ground tested and Op's checked normal for return to service.			
			I certify that this propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Aircraft was returned to service this date.			
			DATE: 03-24-2023	Signed: [REDACTED]	WORK ORDER [REDACTED]	
				Claude Bonner A&P or IA Number: [REDACTED]	Printed by EBIS [REDACTED]	