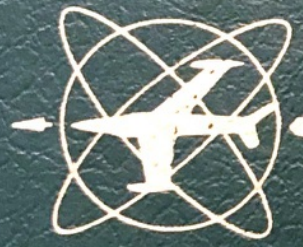

The Standard

AIRCRAFT LOG

ASA-SA-2

Aircraft Record General Information

Manufacturer CIRRUS DESIGN CORP. **Model** SR-22

Serial 0433 **Registration Number** N385C

Date of Manufacture 12/2002

Engine(s) currently installed:

Manufacturer TELEDYNE CONTINENTAL **Model** IO-550N7 **Serial** 686839

Manufacturer _____ **Model** _____ **Serial** _____

Propeller(s) currently installed:

Manufacturer HARTZELL **Model** PHC-J3YF-1RF

HUB Model _____ **Serial** _____ **Serial** _____

Blade Model _____ **Serial** _____ **Serial** _____ **Serial** _____

Blade Model _____ **Serial** _____ **Serial** _____ **Serial** _____

Registered Owner Record

Name Quentin Rd Bible Baptist Church Address 60 Quentin Rd
Lake Zurich IL 60047

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

Name ______ Address ______

City ______ State ______ From ______ To ______

1. Approving Civil Aviation Authority/Country: FAA/United States	2. **AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 151231

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
AIR PARTS OF LOCK HAVEN, INC. P. O. BOX 418 1084 EAST WATER STREET LOCK HAVEN, PA 17745 (QK1R429K)	151231

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1.	DUAL FUEL QTY.	FQ4041-12037 13557-001	1 EA.	2552	REPAIRED

12. Remarks:

REPAIRED IN ACCORDANCE WITH AP 91. FULL DETAILS OF WORK CARRIED OUT PER WORK ORDER NO.151231.

AIR PARTS OF LOCK HAVEN, INC. certifies that all work specified in block 11/12 was carried out in accordance with FAA 145 and in respect to that work the aircraft component is considered ready for release to service under FAA Acceptance Certificate Number: FAA QK1R429K

13a. Certifies the items identified above were manufactured in conformity to:		14a. ☑ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: Sheena Myers	14c. Approval/Certificate No.: QK1R429K
13d. Name (Typed or printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): SHEENA C. MYERS	14e. Date (dd/mmm/yyyy): 09 APR 2015

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Al...

Registration: N385C
Manufacturer: Cirrus
Model: SR22
Serial Number: 0443

Date: 04/14/2015
Tach Time: 1299/1
Total Time: 1299/1

-Annual inspection accomplished IAW 14CFR Part 43, Appendix D. using Chapter 5-20, Traditional Program, Annual / 100 Hr, Cirrus Airplane Maintenance Manual as a checklist.
-AD compliance verified through bi-weekly revision **2015-07**

-Fuel quantity indicator P/N 13557-001, S/N 2552, removed from aircraft and bench tested per Cirrus AMM, Fig. 28-001, Fuel System Troubleshooting Flowchart (Sheet 2 of 3). Indications did not display correct values. Indicator was repaired by Air Parts of Lock Haven on their Work Order 151231 and approved for return to service on an FAA Form 8130-3 dated 09 Apr 2015. Indicator reinstalled in aircraft.
-Re-installed left bottom knob on multi-function display and tightened.
-Compass headings were compared to compass rose on airport. N/N, 30/30, 60/65, E/98, 120/128, 150/155, S/185, 210/210, 240/238, W/265, 300/295, 330/325 Compass deviation card printed and placed in aircraft.
"Grab Here" placards fabricated from .75" x 3.75" label tape and installed per Interior Placards, Section 11-30, Cirrus Airplane Maintenance Manual.
-Removed AA battery from Davtron chronograph and install new Rayovac AA battery.
-Removed lock from baggage door. Removed rear lock bar retaining screw from lock, applied Lock-tite to screw and reassembled. Installed lock in baggage door.
-Removed B battery container from aircraft and removed B batteries from container. Installed 2 new B batteries Cirrus P/N 50979-001. Removed defect 30A circuit breaker from B battery container and installed new P/N 7271-8-30 Klixon circuit breaker. Reinstalled B battery container in aircraft, connected vent line and electrical connector.
-ACK Technologies, Inc, ELT model E-01, S/N 043892, removed from aircraft mounting bracket and checked IAW FAR 91.207 paragraph (c) battery voltage was above 50% (12.66 VDC) and per para. (d). ELT found to be operating properly and no battery corrosion found. Per markings on batteries, battery replacement due by March 2016. ELT reinstalled in aircraft and armed.
-Battery #1 removed from aircraft and electrolyte level checked. Charged battery and capacity tested— 108% capacity. Battery charged and reinstalled in aircraft. Battery cover torqued per placard on cover.
-Replaced damaged gas cylinder on right door with new Allegis ACP6880 gas cylinder
-Serviced brake master cylinder per Cirrus Aircraft Maintenance Manual using AeroShell Fluid 4 (MIL-H-5606A equivalent)

The following people worked on this airplane: Jenny Haver, Jason Maust, and Terry McClary

I certify that this **Aircraft** has been inspected IAW an **Annual Inspection** and was determined to be in **Airworthy** condition.

Terry McClary A&P 2702259IA

--END --

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
Post	Annual	Return to Service Flight		

As owner/pilot, the RTS flight showed all engine parameters within normal range.

Hobbs	1300.1			[signature] #3720002

YE
20
DA

Iterations
Number of
cific entries.)

Date: 5/28/2015; Aircraft: N385C; Type: CIRRUS SR22; S/N: 0433; Hobbs: 1318.8; Total Time: 1318.8
Airframe Work
Replaced CAPS system reef line cutters with new kit p/n 25347-002. Line cutters p/n 26707-001, s/n 8296 and 8170, Lot # 1 RRL 0415 and MFG date 04/15. Next Due: 4/2021.
Doug Seibel
A&P389765035 IA Doug Seibel IA389765035

☐ Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003

☒ Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: **N385C**

Removed, repaired and reinstalled HSI P/N SN3308-00-BL S/N 4538. Upgraded #1 and #2 GNS-430 Main software to v5.04 per Garmin SB 0844 and #2 GPS to v3.03 per SB 0502. Replaced pilot's trim switch. Downloaded fault codes from Skywatch computer. Replaced ELT coax in tail and separated ELT remote line from #2 Com coax under baggage and rear seats. Tensioned pitch bridal cable per Cirrus SR22 AMM 22-11. Ramp check good.

----------END----------

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 7/20/15 **HOBBS:** 1316.1 **WO#:** AV15-14092 **SIGNED:**

3606 Corben Ct. – Madison, WI 53704 - CRS No. DBKR124D
(608) 268-5006 (608) 268-5038 FAX

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

1. UNITED STATES N385SC	2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG US Department of Transportation Federal Aviation Administration	3. SYSTEM TRACKING REG NO 14092 5. WORK ORDER, CONTRACT, OR INVOICE NO. 14Ø92
4. ORGANIZATION CRS # DBKR124D Wisconsin Aviation-Four Lakes, Inc. 3606 Corben Ct., Madison, WI 53704 Phone (608) 268-5006		

6. ITEM	7. DESCRIPTION	8. PART NO.	9. ELIGIBILITY*	10. QTY.	11. SERIAL/BATCH NO.	12. STATUS/WORK
Ø1	SN33Ø8	SN33Ø8-ØØ-BL	T.B.D.	Ø1	4538	Repaired

13. REMARKS Removed and installed new lamp and U-Joints. Tested unit and found to meet MPS.

Limited life parts must normally be accompanied by maintenance history including total time/total cycles/time since new.

14. New ☐
Newly Overhaul ☐
Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness regulations.
NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

19. Return to Service in Accordance with FAR 43.9 ☐
Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

15. Signature	16. FAA Authorization No.:	20. Authorization Signature: Ryan Walsh	21. Certificate Number: DBKR124D
17. Name (typed or printed):	18. Date:	22. Name (typed or printed) Ryan Walsh	23. Date: Ø7/14/2Ø15

Airworthiness Approval Tag User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer work in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the under/installer before the aircraft may be flown.

*Optional installer must cross check eligibility with applicable technical data.

YEAR
20___
DATE

Registration:	N385C	Date:	05/02/2016
Manufacturer:	Cirrus Design	Hobbs Time:	1397.2
Model:	SR22	Tach Time:	N/A
Serial Number:	0433	Total Time:	1397.2

Annual Inspection accomplished IAW Title 14 CFR Part 43 Appendix D.

- AD's checked thru bi-weekly **revision 2016-08.**

General

- Removed engine induction filter and installed new filter P/N BA24, torqued and safetied nut**. Next due at Hobbs: 1497.2 or 5/2017.**
- Removed ELT from aircraft and removed batteries. Installed new batteries 8 ea. Duracell P/N MN1300. Performed maintenance checks as required by Title 14 CFR Part 91.207 (D)(1)(2)(3)(4). **Next maintenance check due 05/2017. Next RCPI battery change due 10/2018, Next ELT battery change due 12/2025**. Unit reinstalled in aircraft and switch set to Arm position.

Fuselage

- Installed 2 ea. P/N 14502-003 vibration mounts to landing light support.
- Removed # 2 essential bus batteries and inspected. Found broken wire to battery relay. Installed new terminal to wire, reinstalled batteries and performed operational check. Operation normal.
- Removed old double sided tape from affected areas of lower surface of wing root fairings and cleaned. Installed new tape P/N 51847-045U (3M 4946 VHB) tape and secured fairings.
- Removed main airframe fuel filter bowl and filter. Cleaned, inspected and reinstalled using the following new parts: 1 ea. P/N MS29513-137 O ring and 1 ea. P/N NAS1523-8B Stat-o-seal. Torqued and safetied. Performed leak check; no leaks found.
- Resealed rear baggage compartment window with CS3204 B4 sealant.
- Tightened cabin heat control knob.

Empennage

- Removed rudder trim tab lower attach rivet and installed new Cherry Max rivet.

Continued on next Page:

YEAR
20__
DATE

Continued from previous page:

Wings

- Fabricated new right side forward wing root access panel from 2024T3 x .032" alclad, etched, alodined, primed, painted and installed.
- Installed 3 ea. P/N 50803-001 wellnuts (1 on left side, 2 on right side) for upper main landing gear fairing attachment.
- Adjusted aileron cable tensions to specifications. Checked aileron travel and function of stops. Aileron travels as follows: Left aileron Up 11.9°and Down 13°, Right aileron Up 13.3° and Down 11.5°.

Landing Gear

- Removed nose wheel fork assembly from spring. Removed thrust washer and worn internal bushings. Installed the following new parts: 1 ea. P/N50544-001 bearing, 1 ea. P/N 50543-001 bearing and 1 ea. P/N 50545-001. Reinstalled fork assembly with new nut P/N MS17826-8, torqued to specifications and safetied.
- Removed nose wheel, disassembled cleaned and inspected. Install new bearing cup P/N 08231 to right side. Reassembled wheel and torqued bolts. Replaced right side bearing P/N 08125 and lubricated bearings. Reinstalled wheel assembly, torqued and safetied. Removed loose foil tapes from nose wheel weights, cleaned area and installed new foil tape to secure weights.
- Removed left brake assembly, disassembled, cleaned and inspected. Polished pistons and reassembled with 2 ea. P/N MS28775-222 O rings. Installed new temperature indicators 1 ea. P/N 51698-001 (Blue) and 1 ea. P/N 51698-003 (Yellow). Reinstalled caliper, serviced brake with MIL-PRF-5606 and bled brake. Installed cap to bleeder P/N 183-00100.
- Removed left wheel assembly, disassembled , cleaned and inspected. Reassembled using 1 ea. P/N RA164-01501 disc and torqued wheel halves. Lubricated wheel bearings and installed. Reinstalled wheel assembly, torqued and safetied. Installed 4 ea. P/N RA066-10500 brake linings with 8 ea. P/N 105-00200 rivets. Reinstalled brakes and torqued bolts.
- Removed Right brake assembly, disassembled, cleaned and inspected. Polished pistons and reassembled with 2 ea. P/N MS28775-222 O rings. Installed new temperature indicators 1 ea. P/N 51698-001 (Blue) and 1 ea. P/N 51698-003 (Yellow). Reinstalled caliper, serviced brake with MIL-PRF-5606 and bled brake. Installed cap to bleeder P/N 183-00100.
- Removed right wheel assembly, disassembled , cleaned and inspected. Reassembled using 1 ea. P/N RA164-01501 disc and torqued wheel halves. Lubricated wheel bearings and installed. Reinstalled wheel assembly, torqued and safetied. Installed 4 ea. P/N RA066-10500 brake linings with 8 ea. P/N 105-00200 rivets. Reinstalled brakes and torqued bolts.

Continued on next page:

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	2208-10-2015-01

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Cirrus Design Factory Service Center, 4961 Airport Road, Duluth, MN 55811 (CRS# YD5R855Y)	2208-10-2015

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MCU	16600-011S	1	00163	OVERHAULED

12. Remarks: MCU is approved for return to service.
A GENERAL DESCRIPTION OF THE WORK PERFORMED IS ATTACHED AS A SEPARATE TRAVELER FORM UNDER THE PART DESCRIPTION LISTED IN BLOCKS 6,7,8,10, AND
11 AS APPLICABLE. A COMPLETE DESCRIPTION OF WORK PERFORMED IS ON FILE AT THE ABOVE REFERENCED ORGANIZATION UNDER THE WORK ORDER AND SYSTEM TRACKING REFERENCE NUMBER INDICATED IN BLOCKS 3 AND 5. NOTICE: An Airworthiness Directive may apply to the article(s) described hereon. **The installer is responsible for sealing the Perimeter of Cover with High Temperature red RTV and ensuring complete compliance with any applicable Airworthiness Directives.**
Refer to Attached MCU Service Repair and Overhaul Traveler CS507 Rev 08.
Airworthiness Approval-Part, **This is Not an Export Approval.**
Inspected/Tested MCU per MCU Component Manual Doc. 15686-001 Reissue B, Dated May 2006.
Article is Approved for Return to Service.

This Certifies that the work specified in block 11/12 was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.5632 and Cirrus Design Factory Service Center CRS #YD5R855Y

13a. Certifies the items identified above were manufactured in conformity to:		14a. ☒ 14 CFR 43.9 Return to Service ☒ *Other regulation specified in Block 12*	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.: YD5R855Y
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): JESSIE THOMPSON	14e. Date (dd/mmm/yyyy): 14-OCT-2015

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

CIRRUS AIRCRAFT

Cirrus Design Factory
Service Center
4961 Airport Rd
Duluth, MN 55811

CRS# YD5R855Y

MCU BENCH TEST RECORD SHEET

Repair Order:	2208-10-2015
P/N:	16600-011
S/N:	00163

Date:	10-14-2015
Bench S/N:	~~422~~ 40227
Cal Due:	2-26-2016

Perform the "Functional Inspection - Master Control Unit" in accordance with Section 4.X of the MASTER CONTROL UNIT 100,110, and 120 MAINTENANCE MANUAL, and record the results in the corresponding sections when provided below. Once complete, attach this form to the MCU OVERHAUL BATCH TRAVELER and repair order packet.

Perform Steps 1 - 6 (Setup)

- [x] Connect ALT1, ALT 2, BAT, STARTER, and GROUND Cables to the MCU
- [x] Connect J108, J111, J109, and J115 Connectors to the MCU Test Bench

7) Perform Annunciation Check.

- [x] a) Bus Feeder
- [x] b) Low Voltage light on at: 24.72 Volts — The Low Volts light shall illuminate within 24.5 ± 0.35 Volts.
- [x] c) Starter
- [x] d) Alternator 1 Fail light on after: 13 Seconds — The ALT 1 FAIL light shall illuminate within 13-22 seconds.
- [x] e) Alternator 2 Fail light on after: 13 Seconds — The ALT 2 annunciator shall illuminate within 13-22 seconds.

8) Perform Indication Check.

	Test Point	Actual Reading (± 4A)	Test Point	Actual Reading (± 4A)	Test Point	Actual Reading (± 4A)
[x] a) Alternator 1 Ammeter	0A (±0.5A)	-.1	15A (±0.5A)	15	30A (±0.5A)	30
[x] b) Alternator 2 Ammeter	0A (±0.5A)	0	15A (±0.5A)	15		
[x] c) Battery Ammeter	0A (±2.0A)	-.2	-15A (±0.5A)	-15.3	-30A (±0.5A)	-30.2

9) Perform Interface Check.

- [x] a) Landing Light indicator on
- [x] b) Clock Power indicator on
- [x] c) Diode Polarity

10) Perform Regulation Check.

	Test Point	Actual Reading of BUS Voltage		Test Point	Actual Reading of BUS Voltage	
[x] a) Alternator 1	10A	Main Bus (27.3V - 28.3V)	28.2	20A	Main Bus (27.3V - 28.3V)	28.00
[x] b) Alternator 2	5A	Essential Bus (28.1V - 29.1V)	28.51	10A	Essential Bus (28.1V - 29.1V)	28.23

11) Perform Electrical Load Check.

- [x] Set Alt 1 to 22 Amps.
- [x] Set Alt 2 to 10 Amps.
- [ ] Run the system for **15 Continuous** Minutes.
- [ ] Ensure all readings are within the specified limits throughout the **entire** 15 minute test.

Alt 1 Output	Alt 2 Output	Main Bus Voltage	Essential Bus Voltage	Alt 1 Fail Light	Alt 2 Fail light	Low Volts Light
22 ± 2 Amps	10 ± 2 Amps	27.3 - 28.3 Volts	28.1 - 29.1 Volts	OFF	OFF	OFF

12) Serials w/ Air Conditioning: Verify J757 voltage

- [x] Verify that J757 voltage is within .5 volts of the main bus voltage.

Perform External Power Circuit Test.

- [x] Disconnect the Alt. # 1, Alt. # 2, Starter, and Battery 1 cables from the MCU.
- [x] Connect power supply to the MCU External Power Receptacle.
- [x] Verify Illumination of Clock Light.

Functional Inspection - Master Control Unit [x] Satisfactory [ ] Rejected

Technician Signature — Date: 10-14-2015

Inspector Signature — Date: 10-14-2015

YEAR
20
DATE

Continued from previous page:

Engine

- Reinstalled right muffler after repair by Dawley Aviation (Certificate # NJ5R069N) on work order 113921 dated 04/25/2016. Set attach bolt spring tensions and installed safeties. Installed tail pipe, torqued clamp bolts and attached rear support springs.
- Removed right side baffle and repaired crack adjacent to # 5 cylinder by installing repair patch fabricated from 2024T3 x .032" alclad and attaching with standard rivets. Reinstalled baffle and torqued attachments.

All work performed as per Cirrus Design SR22 maintenance manual.

Work performed by the following people: Michael Dunkley, Glen Evert, Bradley Hoblit and Philip Schmeid.

I certify that this AIRFRAME has been inspected IAW an ANNUAL INSPECTION and has been determined to be in an airworthy condition.

Michael C. Dunkley
A&P 2378026 IA

Date: 8/18/2016; Aircraft: N385C; Type: CIRRUS SR22; S/N: 0433; Hobbs: 1412.2; Total Time: 1412.2
Airframe Work
Replaced MCU100 p/n 14600-001 s/n 00361 with MCU120 p/n 16600-011S s/n 00163 after overhauled by Cirrus Design Factory Service Center CRS #YD5R855Y, WO 2208-10-2015, dated 10/14/2015. All work performed in accordance with Cirrus Design SR22 Maintenance Manual.
Randall Effinger
A&P 3439510 IA

☐ Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003

☒ Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

YEAR
20____
DATE

Registration:	N385C	Date:	06-02-2017
Manufacturer:	Cirrus Design	Hobbs Time:	1507.3
Model:	SR22	Total Time:	1507.3
Serial Number:	0433		

Annual Inspection accomplished IAW Title 14 CFR Part 43 Appendix D and using Cirrus Design SR22 Maintenance manual P/N 13773-001 Revision B5, dated 15 Dec 2014.

- Removed engine induction filter and installed new filter P/N BA24, torqued and safetied nut. **Next due at Hobbs: 1607.3 or 06-2018.**
- Removed front engine mounts and installed 2 new engine shock mounts P/N J9613-54. Reinstalled engine mount bolts. Torqued to 450-500 inch pounds and saftied with new lock tab P/N MS9276-13.
- Removed right aft engine mount bolt and damaged bonding strap. Installed new bonding strap P/N 11593-001. Reinstalled engine mount bolt, torqued to 450-500 inch pounds and saftied with new lock tab P/N MS9276-13.
- Removed main airframe fuel filter bowl and filter. Cleaned, inspected and reinstalled using 1 ea. P/N NAS1523-8B Stat-o-seal. Torqued and safetied. Performed leak check, no leaks found.
- Removed nose wheel, disassembled, cleaned and inspected. Lubricated wheel bearings and installed. Reinstalled wheel assembly, torqued and safetied.
- Removed left and right wheel assemblies, disassembled, cleaned and inspected. Lubricated wheel bearings and installed. Reinstalled wheel assembly, torqued and safetied.
- Fabricated and installed a placard on top cowling oil filler door that reads "Oil Capacity 8 quarts".
- Replaced Boot on battery positive terminal with new boot P/N MS25171-4S
- Performed capacity check. Battery passed test at 91%. Recharged battery and installed in aircraft.
- Removed ELT from aircraft and inspected as per Title 14 CFR Part 91.207 (D). **Next maintenance check due 06-2018. Next RCPI battery change due 10-2018, Next ELT battery change due 12-2025** Added battery expiration placard to the outside case of the ELT of Dec 2025. Unit reinstalled in aircraft and switch set to Arm position.
- AD's checked thru bi-weekly **revision 2017-11.**

Work performed by the following people: Dale Coates, David Blanton, David DeJong and Stephen Swartzentruber.

I certify that this AIRFRAME has been inspected IAW an ANNUAL INSPECTION and has been determined to be in an airworthy condition.

Dale M Coates
A&P # 3041483 IA

Authorized Release Certificate

FAA Form 8130-3, Airworthiness Approval Tag

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES		791105587500-011

4. Organization Name And Address:

GOODYEAR TIRE & RUBBER CO.
100 BUSINESS CENTER DRIVE
STOCKBRIDGE, GA 30281

GOODYEAR TIRE & RUBBER CO.
1901 GOODYEAR BLVD
DANVILLE, VA 24541 (PT2066NE)

5. Work Order/Contract/Invoice Number: 791105587500

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	15X6.0-6	156E66-4	60	SEE BLOCK 12 - REMARKS	NEW

12. Remarks: TSOC62D AIRWORTHINESS APPROVAL

70552229 70602306 70602308 70602362 70602363 70602364 70602379 70602472 70612002 70612003 70612006 70612009 70612010 70612013
70612015 70612017 70612018 70612021 70612022 70612025 70612026 70612027 70612035 70612036 70612037 70612044 70612047 70612048
70612057 70612122 70612126 70612178 70612179 70612181 70612474 70612477 70622013 70622016 70622017 70622020 70622021 70622025
70622028 70622029 70622030 70622040 70622041 70622043 70622044 70622050 70622054 70622056 70622057 70622059 70622060 70622416
70622417 70622420 70622437 70622438

13a. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.
☐ Non-Approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
Paul Bryant	PT2265CE		
13d. Name *(Typed or Printed)*:	**13e. Date (dd/mmm/yyyy):**	**14d. Name *(Typed or Printed)*:**	**14e. Date (dd/mmm/yyyy):**
PAUL BRYANT	24/APR/2017		

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**Authorized Release Certificate** **FAA Form 8130-3, Airworthiness Approval Tag**	791105587500-011

4. Organization Name And Address:		5. Work Order/Contract/Invoice Number:
GOODYEAR TIRE & RUBBER CO. 100 BUSINESS CENTER DRIVE STOCKBRIDGE, GA 30281	GOODYEAR TIRE & RUBBER CO. 1901 GOODYEAR BLVD DANVILLE, VA 24541 (PT2066NE)	791105587500

6. Item:	7. Description:	8. Part Number:	9. Quantity	10. Serial Number:	11. Status/Work:
1	15X6.0-6	156E66-4	60	SEE BLOCK 12 - REMARKS	NEW

12. Remarks: TSOC62D AIRWORTHINESS APPROVAL

70552229 70602306 70602308 70602362 70602363 70602364 70602379 70602472 70612002 70612003 70612006 70612009 70612010 70612013
70612015 70612017 70612018 70612021 70612022 70612025 70612026 70612027 70612035 70612036 70612037 70612044 70612047 70612048
70612057 70612122 70612126 70612178 70612179 70612181 70612474 70612477 70622013 70622016 70622017 70622020 70622021 70622025
70622028 70622029 70622030 70622040 70622041 70622043 70622044 70622050 70622054 70622056 70622057 70622059 70622060 70622416
70622417 70622420 70622437 70622438

13a. Certifies the items identified above were manufactured in conformity to:		14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12	
☒ Approved design data and are in a condition for safe operation. ☐ Non-Approved design data specified in Block 12.		Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature: Paul Bryant	13c. Approval/Authorization No.: PT2265CE	14b. Authorized Signature:	14c. Approval/Certificate No.:
13d. Name *(Typed or Printed)*: PAUL BRYANT	13e. Date (dd/mmm/yyyy): 24/APR/2017	14d. Name *(Typed or Printed)*:	14e. Date (dd/mmm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

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.)

N 385C

I certify that the Altimeter and Static System Tests as required by FAR 91.411, Paragraphs A and C have been performed.

The Altimeter P/N 59340-3 S/N 429269

Was tested to 20,000 feet on 6/8/2017

The ATC Transponder Tests and Inspections as required by FAR 91.413 IAW FAR 43, Appendix F, have been performed.

Model GTX327 S/N 83712159

Signed Chadly Jensen Date 6/8/2017

For Waukegan Aviation Services CRS # WOGR619K
Waukegan, Illinois 847-336-6075

WAUKEGAN AVIONICS, INC.
WAUKEGAN IL. 60087 CRS WOGR619K

N385C
6/8/2017

TABLE 1

SCALE ERROR ALT	TOL	IND
-1000	20	6
	20	2
500	20	-3
1000	20	-2
1500	20	3
2000	30	-3
3000	30	-2
4000	35	-4
6000	40	-8
8000	60	-5
10000	80	-2
12000	90	-11
14000	100	-47
16000	110	-50
18000	120	-52
20000	130	-83
22000	140	
15000	155	
30000	180	
35000	205	
40000	230	
45000	255	
50000	280	
53000	295	
55000	305	

TABLE 2

TEST TOLERANCES	TOL	IND
CASE LEAK	100	30
HYSTERISIS	75	24
1st TEST POINT (50% MAX ALT)	75	24
2nd TEST POINT (40% MAX ALT)	75	29
AFTER EFFECT	30	6

ALTIMETER TESTED TO	20000 Feet
DATE TESTED	6/8/2017
AIRCRAFT N NUMBER	N385C
CUSTOMER	Jim Scudder
SERVICE ORDER #	14166
ALTIMETER P/N	5934D-3
ALTIMETER S/N	429269
ADC/ENCODER P/N	ACK30
ADC/ENCODER S/N	81946
TRANSPONDER MODEL	GTX327
TRANSPONDER S/N	83712159
Tested in compliance with FAR Part 43, Appendix E.	
Authorized Signature	Chadly Jensen

TABLE 4
PRESSURE ALT. DIFF.

PRESS	HG IND	TOL	DIFF
28.10	-1727	25	-7
28.50	-1340	25	-5
29.00	-863	25	-3
29.50	-392	25	-2
29.92	0	25	0
30.50	531	25	-6
30.90	893	25	2
30.99	974	25	6

TABLE 3
FRICTION

ALT	TOL	IND
1000	70	40
2000	70	40
3000	70	40
5000	70	45
10000	80	45
15000	90	60
20000	100	60
25000	120	
30000	140	
35000	160	
40000	180	
50000	250	

PILOT SYSTEM X

COPILOT SYS.

STANDBY SYS.

YEAR
20__
DATE

Iterations
Number of
ific entries.)

9/27/2017 N385C Cirrus R22 Aircraft Logbook

Hobbs Hours: 1587.3

Removed and replaced RT and LT main tires with NEW Goodyear Flight Custom III 15X6X6 P/N 156E66-4 supplied by the owner.

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed _____

David Tahaney A&P 2780247

2/26/2018 N385C Cirrus R22 Airframe

Hobbs Hours: 1641.2

Removed and replaced the LT wheel assembly per Cirrus MM 32-41. Installed a NEW Michelin tube assembly P/N 15X6.0-6. Reinstalled wheel assembly.

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed _____

David Tahaney A&P 2780247

YEAR
20___
DATE

Description of Inspections, Tests, Repairs and Alterations (Number of entries.)

MMS Aviation

24387 Airport Rd.
Coshocton, OH 43812
Phone: 740-622-6848

Registration:	N385C	Date:	07/02/2018
Manufacturer:	Cirrus	Hobbs Time:	1671.1
Model:	SR22	Tach Time:	
Serial Number:	0433	Total Time:	1671.1

-Annual inspection accomplished IAW 14CFR Part 43, Appendix D. using Chapter 5-20, Traditional Program, Annual / 100 Hr, Cirrus Airplane Maintenance Manual as a checklist.
-AD compliance verified through bi-weekly revision 2018-13

-ACK Technologies, Inc, ELT model E-01, S/N 043892, removed from aircraft mounting bracket and checked IAW FAR 91.207 (d). ELT found to be operating properly and no battery corrosion found. Battery voltage checked above 50% per FAR 91.207 (c) and expiration date on batteries is Dec 2025. ELT stickered to indicate battery expiration Dec 2025. ELT reinstalled in aircraft mounting bracket and armed. Remote switch checked and operated properly
-Removed induction air filter element and installed a new Brackett P/N BA24 element
-Disassembled gascolator; removed filter screen, inspected and reinstalled. Reassembled gascolator using new MS29513-137 O-ring and new NAS1523-8B Stat-O-Seal.
-Installed A6K75 #6 Rivnut in upper right corner of MCU
-Removed, disassembled, cleaned, inspected, lubed, reassembled, and installed nose and main landing gear wheel bearings. Mobil 100 grease used. Brakes and linings inspected and serviceable.

Terry McClary and Tim Obarow worked on this airframe.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under Work Order # 2330-12RS. I certify that this aircraft has been inspected IAW an Annual Inspection and was found to be in an airworthy condition.

Signed: Terry McClary 07/02/2018
(Authorized Signature) for MMS Aviation;
FAA approved repair station certificate no UUMR721L;
24387 Airport Rd, Coshocton, OH 43812

YEAR
20___
DATE

Travel Express Aviation Maintenance, Inc.
DuPage Airport, West Chicago, IL 60185

Date: 8/15/2018 Aircraft: N385C Model: Cirrus SR22 Serial: 0433 Invoice: 8989

Hobbs: 1673.9

The following work was accomplished:

- Removed #2 batteries and replaced with new P/N 50979-001.
- Removed throttle cable rod end and replace with new P/N 11314-003. Tightened throttle cable bolt as required.
- Removed mixture rod end and replaced with new P/N 11314-003.
- Removed propeller governor rod end and replaced with new P/N 11314-003.
- Removed LH and RH main landing gear strut fairing well nuts and replaced with new P/N 50802-001 and 50803-001.
- Performed engine fuel rigging: adjusted throttle and propeller governor rod ends and propeller governor stops as required.

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations.

Sean Garafolo, AP 3743693 IA

END

Date: **3-19-2019**
Registration: N385C
Make: Cirrus SR22
S/N: 433

Engine Logbook Insert

Hobbs: 1723.2

ACTT: 1723.2

JACKSON JETCENTER
FBO | CHARTERS | MAINTENANCE
3673 Rickenbacker St. Boise, ID 83705

Performed oil change ref Cirrus AMM chapter 20. Removed oil filter. Opened and inspected filter (no contamination noted). Installed new oil filter CH48109-1. Serviced engine with 7 qts. Phillips X/C 20W50. Run up and leak check satisfactory.

MAINTENANCE RELEASE: The **Aircraft** identified above was repaired and inspected in accordance with current regulations of the F.A.A and the was determined to be in an airworthy condition and approved for return to service with respect to the work performed. Pertinent details on file at this Repair Station under Work Order No. **JJC-19111.**

Signature of Authorized Representative

F.A.A. Repair Station #GBBR155E

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 page for the specific entries)

JACKSON JETCENTER
FBO CHARTERS MAINTENANCE

3673 RICKENBACKER ST
BOISE, IDAHO 83705

Aircraft Logbook Insert

Date:4-16-2020 N#:385C Hobbs: 1749.9
Make: Cirrus Model: SR-22 S/N: 433
Performed the following maintenance:
Removed Garmin GTX-327 transponder and installed new ADS-B In/Out NGT-9000 transponder IAW AML STC #SA2444AK as a stand-alone system with satisfactory results. Installed new WAAS GPS antenna per AML STC #SA2444AK and IAW Cirrus SR-22 AMM section 34-50.

Removed	Garmin GTX-327	P/N: 011-00490-00	S/N: 83712159
Installed	NGT-9000	P/N: 9029000-20000	S/N: LXE12365
Installed	WAAS antenna	PN: AV-801	S/N: 171604

Provided customer with FAA Form 337. Inserted Flight Manual supplement, updated equipment list, and Weight and balance revision Dated 8-27-2019
This installation has negligible effect on weight and balance, and was found to have no change on the aircraft electrical load.

Removed existing altitude encoder ACK-30 SN: 81946 and installed new Trans-Cal SSD120-30N-RS-323 S/N: 26164 IAW Trans-Cal installation manual # 882189 for added RS-232 functionality to supply existing GNS-430 with pressure altitude. Ops check good.

Removed	ACK altitude encoder	PN: A-30	SN: 81946
Installed	Trans-Cal SSD120	PN: SSD120-30N-RS-232	SN: 26164

Completed Altimeter, automatic pressure altitude reporting and static systems testing required by 14 CFR Part 91.411 and found altimetry systems to comply with Part 43, Appendix E with satisfactory results. Air Data tests performed with Laversab 6270-EB, SN 86401, Calibration date Oct 2018. Transponder correspondence checks performed with IFR 6000, SN 1000685217, Calibration date Jul 2019
No. 1 Altimeter: United Instruments P/N: 5934D-3 S/N: 429269 Alt: 20,000
The ATC transponder test and inspections required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F. Transponder testing was performed with IFR 6000, SN 1000685217, Calibration date Jul 2019
Transponder MFR: L-3 LYNX NGT-9000 P/N: 9029000-20000 S/N: LXE12365

-END-

MAINTENANCE RELEASE: The **Aircraft/or component** identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service with respect to the work performed. Pertinent details of the repair are on file at this Repair Station under Work Order No. IIC-19348

Signature of Authorized Representative _____

F.A.A. Repair Station #GBBR155E

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,

Date: 4-20-2020
Registration: N385C
Make: Cirrus SR22
S/N: 0433

Airframe Logbook Insert

Hobbs: 1749.9
ACTT: 1749.9

JACKSON JETCENTER
FBO | CHARTERS | MAINTENANCE
3673 Rickenbacker St. Boise, ID 83705

Performed Airframe Annual inspection ref Cirrus Scheduled Inspection Report 05-20. Completed Annual lubrication. Completed inspection/ test of ELT and found to comply with FAR 91.207 ELT battery expires **Dec 2025**. Replaced ELT remote panel battery (4 year); expires **MAR 2028**. Performed main battery capacity check. Main battery passed at 98.8%. Performed 300-hour interior exterior wing fitting inspection. Replaced rudder/aileron interconnect bungee (5 year) with new 12938-001. Completed Magnetometer calibration (2 year). Completed MSB2x-57-05R2 aileron hinge bearing and gap inspection. Completed SB2X-27-16R2 asymmetrical flaps. Completed SB2X-28-12R1 electric fuel pump. CompletedSB2X-32-19-R3 nose landing gear inspection. Completed MSB **SB2X-52-08R2** catcher diverter. Inspected engine weldment ref AMM 5-20. Updated POH to revision A10. Fire extinguisher passed weight check. Removed, disassembled, cleaned, inspected, resealed and reinstalled both brake calipers with new linings 066-10500 and temperature stickers. Replaced both main wheel pant fairing brackets 13522-001. Tightened set screw on elevator tri m control arm. Safetied propeller deice feed tube B nut. Installed new engine intake filter. Engine overhaul and installation were accomplished at this time by other facilities. See engine and propeller logs for installation. Post inspection operational run and leak checks satisfactory.

MAINTENANCE RELEASE: The **Aircraft** identified above was repaired and inspected in accordance with current regulations of the F.A.A and the was determined to be in an airworthy condition and approved for return to service with respect to the work performed. Pertinent details on file at this Repair Station under Work Order No. **JJC-19348.**

Signature of Authorized Representative _____

F.A.A. Repair Station #GBBR155E

YEAR 20____ DATE