

# AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp MODEL SR 22T DATE OF MFG. May 2013  
SERIAL NUMBER 0519 REGISTRATION NUMBER N513 WL

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    | Continental Motors Inc | TS10550K     | R 1008206<br>L |
| ENGINE    |                        |              | R<br>L         |
| PROPELLER | Hartzell Propeller Inc | PHC-53YIF-1N | N5 714B        |
| PROPELLER |                        |              |                |
| ENGINE    |                        |              |                |
| ENGINE    |                        |              |                |
| PROPELLER |                        |              |                |
| PROPELLER |                        |              |                |
| ENGINE    |                        |              |                |
| ENGINE    |                        |              |                |
| PROPELLER |                        |              |                |
| PROPELLER |                        |              |                |
| ENGINE    |                        |              |                |
| ENGINE    |                        |              |                |
| PROPELLER |                        |              |                |
| PROPELLER |                        |              |                |

# MAJOR ALTERATIONS

DATE

DESCRIPTION OF ALTERATION

4/16/13

STC's SA01708SE (Fixed Oxygen System) & SA02013CH (Traffic Advisory System) have been installed on this aircraft. Approval for installation has been granted by the STC holders via Licensing Agreements and the FAA via the Production Certificate / Production Limitation Record. FAA Form 337 not required for these installations.



CDC \_\_\_\_\_ on 4/16/13

Cirrus Design Corporation Duluth, MN USA

PRODUCTION CERTIFICATE NO. 338CE

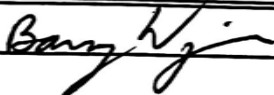
# LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

| NAME OF PART | PART NUMBER | SERIAL NUMBER | INSTALLATION DATE/HOURS | TIME ON PART AT INSTALL | LIFE LIMIT OR T.B.O. | REMOVAL DATE/HOURS | AGENCY CERT. NO. |
|--------------|-------------|---------------|-------------------------|-------------------------|----------------------|--------------------|------------------|
|--------------|-------------|---------------|-------------------------|-------------------------|----------------------|--------------------|------------------|

| Life Limited Parts SR22T        |             |                              |            |
|---------------------------------|-------------|------------------------------|------------|
| PART NAME                       | PART NUMBER |                              | EXPIRES    |
| CAPS Rocket Motor               | 29500-004   | S/N 0074                     | 04/23/23   |
| CAPS Parachute                  | 29696-003   | S/N B0077                    | 04/22/23   |
| CAPS Reefing Line Cutters       | 26707-002   | S/N 0176<br>S/N 0166         | 04/24/19   |
| ELT Battery Pack                | 452-6499    | Date Installed<br>04/25/2013 | 05/2020    |
| EMA Controller, AAIR            | 20902-001   | A02 APR 13 -186<br>S/N _____ | 04/2020    |
| Oxygen Bottle Assembly          | 102N0100-1  | MFG Date 11/12               | 11/2027    |
| CO Detector                     | 24660-003   | S/N 10621                    | 04/2020    |
| Pilot Seat Inflator Assembly    | 20902-002   | AA51 164Z<br>S/N 20457       | 01/01/2023 |
| Co-Pilot Seat Inflator Assembly | 20902-002   | AA51 164Z<br>S/N 20495       | 01/01/2023 |



# 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<br>CERTIFICATE NO.  |
|-------------------|---------------|----------------------|---|----------------------------|----------------------------|--|
|                   |               | 05/15/13             | Searched AD's through bi-weekly issue <u>2013-09</u> All AD's are in compliance at this time. |                            |                            |  |
|                   |               | 2.3                  |   |                            |                            |  |
|                   |               |                      |   |                            |                            |  |
|                   |               |                      |   |                            |                            |  |
|                   |               |                      |   |                            |                            |  |



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# ALTIMETER & STATIC SYSTEM CHECKS F.A.R. 91.411

| DATE | MANUFACTURER | MODEL | SERIAL NO. | LOCATION | MAX. ALT. | RECHECK<br>REQUIRED | APPROVED BY<br>AGENCY |
|------|--------------|-------|------------|----------|-----------|---------------------|-----------------------|
|------|--------------|-------|------------|----------|-----------|---------------------|-----------------------|

## ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289

N513WC Cirrus SR-22T sn: 0519

May 27, 2015

Hobbs: 215.7

United Instruments Altimeter 5934AD-3 sn: 499840 has been repaired, tested and inspected per FAR 91.411 Part 43 Appendix E to 35K' by Centennial Instruments Inc. on their WO # 9915 dated May 27, 2015. See their 8130-3 issued this date. Garmin GDC-74A 011-00882-10 sn: 20614827 and sn: 20614880 have been calibrated using Garmin GDC-74/A Calibration Tool and tested per FAR 91.411 Part 43 Appendix E to 25K'. See our 8130-3's issued this date. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E.

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: 

AV-03408

## ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303.799.6289

N513WC Cirrus SR-22T sn: 0519

May 27, 2015

Hobbs: 215.7

The ATC Transponder test and inspection required by FAR 91.413 has been complied with this date: May 27, 2015 on and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station on our WO # AV-03408 .

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: 

AV-03408

# RADIO & ELECTRONIC CHECKS

| DATE    | TOTAL TIME | EQUIPMENT CHECKED | TYPE OF CHECK | ERROR OR RESULTS | NEXT CHECK DUE | CHECKED BY:<br>SIGNATURE — CERT. |
|---------|------------|-------------------|---------------|------------------|----------------|----------------------------------|
| 5/24/17 | 531.4      | VOR 1/2           | VOR/VOT Check | 1% Deviation     | 4-24-17        | Don Bennett - P                  |

## ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289

N513WC Cirrus SR-22T sn: 0519

July 24, 2018

Hobbs: 1059.5

United Instruments Altimeter 5934AD-3 sn: 499840 has been repaired, tested and inspected per FAR 91.411 Part 43 Appendix E to 35K' by Centennial Instruments Inc. on their WO # 11063 dated July 24, 2018. See their 8130-3 issued this date. Garmin GDC-74A 011-00882-10 sn: 20614827 and sn: 20614880 have been tested per FAR 91.411 Part 43 Appendix E to 25K'. See our 8130-3's issued this date. Aircraft's Pitot and Static systems have been tested per FAR Part 43 Appendix E.

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: 

AV-04106

## ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303.799.6289

N513WC Cirrus SR-22T sn: 0519

July 24, 2018

Hobbs: 1059.5

The ATC Transponder test and inspection required by FAR 91.413 has been complied with this date: July 24, 2018 on Garmin GTX-33ES 011-00779-30 sn: 89124847 and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station on our WO # AV-04106. The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: 

AV-04106

**ARAPAHOE AERO AVIONICS****12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289****N513WC Cirrus SR-22T sn: 0519****July 24, 2018****Hobbs: 1059.5****Garmin G1000 System ID 250FA1709****Updated Operating Software to Version 0764.35 per Cirrus Service Bulletin No. SB2X-42-12 dated May 15, 2017. (previous version 0764.23)****Base Operating Software Cirrus SR-22 Turbo 3600#, Dual AHRS/Dual ADC, SR22 DIN IEC 751 Oil Temp Sensor Config, SR-22 Integrated Fuel Quantity Indicators, GFC 700 with Yaw Damper, ESP-Low Speed with Stall Warn Option, GTX-33ES, Avidyne TAS6XX Traffic Option, GDL-69A Option, GSR 56(Voice/SMS) GMA 350, CO Guardian Option, EVS Installation Option, Oxygen Option, Dual Bearing Pointer, Known IPS (FIKI) Digital Option. Reset Marker Thresholds (-1 Hi Sense/+1 Lo Sense). Unlocked CHARTS, AFCS, TAWS-B, SVT.****The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.****CRS ZL6R006Y Signed:****AV-04106**

DATE

# RADIO & ELECTRONIC CHECKS

| DATE | TOTAL TIME | EQUIPMENT CHECKED | TYPE OF CHECK | ERROR OR RESULTS | NEXT CHECK DUE | CHECKED BY:<br>SIGNATURE — CERT. NO. |
|------|------------|-------------------|---------------|------------------|----------------|--------------------------------------|
|------|------------|-------------------|---------------|------------------|----------------|--------------------------------------|

**JACKSON**  
**JETCENTER**  
FBO CHARTERS MAINTENANCE

3673 Rickenbacker St  
Boise, Idaho 83705

## Aircraft Logbook Insert

Date: 5-7-2020

Make: Cirrus

Performed the following maintenance:

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 2019. Transponder correspondence checks performed with IFR 6000, SN 1000685217, Calibration date Jul 2019

No. 1 ADC: GDC74A

P/N: 011-00887-10

S/N: 20614827

Alt: 25,000

No. 1 Altimeter: United Inst

P/N: 5934AD-3

S/N: 4988852

Alt: 25,000

Performed tests/inspections required by 14 CFR 91.413 and found transponder to comply with Part 43, Appendix F. Transponder testing was performed with IFR 6000, SN 1000685217, Calibration date July 2019.

No. 1 Transponder MFR: GTX33ES

P/N: 011-00779-30

S/N: 89124814

-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. JJC-20174

Signature of Authorized Representative \_\_\_\_\_

F.A.A. Repair Station #GBBR155E



# 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 |
|--------------------|--------------------------|---|---|
|--------------------|--------------------------|---|---|

### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 22T-0519 Airframe Total Time: 18.1

1 July 2013 Flight Hobbs: 18.1 Hobbs Meter: 24.5

Complied with first 25 Hour Inspection per Cirrus scheduled maintenance interval. Reloaded software in Configuration Mode and selected the "SMS/Voice Only" option, operational check satisfactory. Inspected and serviced nose and main wheel tires to specified pressures. Inspected aircraft primary battery. Inspected, cleaned, resealed, and leak checked fuel strainer. Installed new oxygen mask fittings o-rings seals. Serviced oxygen cylinder and checked service port for leakage. Inspected flight surface panels and serviced TKS reservoir. Installed new lock-o-seals under screw adjacent to bottom of engine mount. Cleaned windows and vacuumed interior. Post inspection engine run up. leak check and operational check good.

*J. D. Trussell*  
Jeremy D. Trussell A&P 610051913 w/o 33294

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# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF  
COMPLETIONAIRCRAFT TIME  
IN SERVICEDESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USEDAGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SER

### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC

Cirrus

SR22T

S/N: 22T-0519

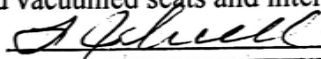
Airframe Log Entry

14 January 2014

Flight Hobbs: 103.4

Hobbs Meter: 125.6

Completed 50 Hour Inspection this date using Cirrus 50 Hour Inspection items as a guide. Straightened head liner mounted oxygen vent mounting brackets. Checked flight controls and fairings. Checked condition and security of aircraft #1) battery. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and checked nose strut for specified extension dimension. Inspected brake calipers for leakage and overheating. Inspected brake caliper linings. Serviced brake reservoir. Inspected nose and right main landing gear tires and serviced to specified pressures. Checked main wheel fairing bolt torque. Checked oxygen cylinder service pressure. Checked service level of TKS reservoirs. **Complied with Cirrus SB 2X-28-11 R2 (Fuel Line Replacement)** by removal of TKS reservoir panels and application of new sealant in bays. Installed new fuel lines and performed leak check. No defects noted. Installed lower panels and serviced TKS reservoirs. Final operational and leak checks satisfactory. Post inspection ground run-up and systems operational check satisfactory. Washed aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior.



L. John Wells A&amp;P 3221132

w/o 33923

# MAINTENANCE RECORD

## F.A.R. 43.9

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### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

**N513WC**      **Cirrus**      **SR22T**      **S/N: 22T-0519**      **Airframe Total Time: 132.5**

**16 May 2014**      **Flight Hobbs: 132.5**      **Hobbs Meter: 158.3**

**100 Hour/Annual Inspection** completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Tested Artex ME406 ELT per FAR 91.207(d), no defects noted, Beacon Test Report No. BT100AV triple/3195/N531WC on file. **ELT battery due May 2020.** Inspected and lubricated power lever, no further stiffness noted. Inspected pilot's and co-pilot's seats for condition and operation. Performed Transient Voltage Suppressor Inspection by checking continuity of installed fuses, no defects noted. Performed "Data Logger" functional inspection, L.E.D. annunciator light indicated, no defects. Inspected and lubricated cabin door latches and hinges. Removed left wing strobe light assembly S/N: 00471 and installed new unit P/N: 17140-001, S/N: 00667, operational check satisfactory. Performed left and right fuel cap resistance check, no defects noted and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and charged #1 aircraft battery. Checked #2 battery static voltage, battery voltage tested 24.9 volts. Inspected nose gear for condition and security. Serviced nose gear oleo strut using nitrogen to specified extension height. Checked nose wheel fork side tension. Cleaned, Inspected, resealed, and reinstalled left and right main wheel brake calipers. Installed new brake temperature placard "stickers", bled brake system and serviced reservoir, brake operational check satisfactory. Inspected nose and main gear wheel fairings and mounting brackets for condition and security. Cleaned affected areas and reinstalled left main strut gear upper fairing support rib using Cirrus double-side tape. Inspected oxygen system for component condition and security per Precise Flight Oxygen System (ICA). Serviced oxygen cylinder to specified pressure and checked service port for leakage. Inspected TKS system for component condition and security and system leakage, no defects noted. Serviced TKS reservoirs. Wiped down and inspected engine cowling. Cleaned affected areas and affixed new middle cowl close-out panel rear seal P/N: 53722-063U.

# MAINTENANCE RECORD

## F.A.R. 43.9

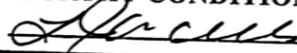
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### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N513WC Cirrus SR22T S/N: 22T-0519 Airframe Total Time: 132.5  
16 May 2014 Flight Hobbs: 132.5 Hobbs Meter: 158.3

(Continued) (Page 2)

Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check, weight 535.1 grams. Performed AmSafe post seat installation check. **Complied with Cirrus SA 06-06 (MCU Corrosion Inspection)** by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus Design Service Manual, no corrosion noted. Next MCU corrosion inspection due May 2015 or Flight Hobbs: 232.5. **Complied with Cirrus SA 13-05 (Elevator Hine Pin Inspection)** by inspecting elevator hinges for condition and security and hinge pins for proper torque and safety per Service Advisory, no defects noted and no further action required. **Complied with Cirrus SA 14-01 (CAV Timer Box Harness Replacement)** by complying with CAV (SB) No. SB 13247-01-30-003 and verifying serial number of installed unit per Service Bulletin. This Service Bulletin does not apply by timer box serial number, no further action required. AD's checked through Biweekly 2014-09. Post inspection ground run-up and systems operational check satisfactory. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



L. John Wells A&P 3221132 IA

w/o 34345

# MAINTENANCE RECORD

## F.A.R. 43.9

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### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

**N513WC**      Cirrus      SR22T      S/N: 22T-0519      Airframe Total Time: 132.5

**29 May 2015**      Flight Hobbs: 182.4      Hobbs Meter: 215.7

**100 Hour/Annual Inspection** completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Tested Artex ME406 ELT per FAR 91.207(d), no defects noted, Beacon Test Report No. BT100AV triple/3195/N531WC on file. **ELT battery due May 2020.** Performed Garmin GSM 86 24 month autopilot servo clutch torque check on all autopilot servos using on-ship software, all readings found to be within limits. **Next autopilot servo clutch check due May 2017.** Performed Transient Voltage Suppressor Inspection by checking continuity of installed fuses, no defects noted. Performed "Data Logger" functional inspection, L.E.D. annunciator light indicated no defects. Inspected pilot's and co-pilot's seats for condition and operation. Performed AmSafe post seat installation check. Inspected and lubricated cabin door latches and hinges. Torqued left and right aileron control horn bolts and installed new safeties. Installed new right wing strobe light assembly P/N: 17140-008, S/N: 00899. Performed left and right fuel cap resistance check, no defects noted, and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and charged #1 aircraft battery. Installed (2) new #2 batteries P/N: 50979-001. **Next #2) battery replacement due May 2017 or Flight Hobbs: 682.2.** Inspected nose gear for condition and security. Checked nose gear oleo strut specified extension height. Checked nose wheel fork side tension. Installed new left and right main wheel tires P/N: 156E66-4, S/N: 43182093 and 41912407 using new tubes P/N: 097-500-0 and torqued wheel halve assembly hardware. Serviced tires to specified pressures and balanced wheel assemblies. -Inspected left and right main wheel brake disks, calipers and linings. Service brake reservoir. Inspected nose and main gear wheel fairings and mounting brackets for condition and security. Inspected air condition evaporator, condenser and system components for condition and security. Removed condenser upper forward fitting surface corrosion. Inspected oxygen system for component condition and security per Precise Flight Oxygen System (ICA).

# MAINTENANCE RECORD F.A.R. 43.9

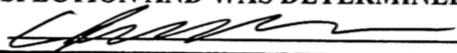
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## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N513WC Cirrus SR22T S/N: 22T-0519 Airframe Total Time: 132.5  
29 May 2015 Flight Hobbs: 182.4 Hobbs Meter: 215.7

(Continued) (Page 2)

Serviced oxygen cylinder and checked service port for leakage. Inspected TKS system for component condition and security and system leakage, no defects noted. Serviced TKS reservoirs. Wiped down and inspected engine cowling. Relieved left lower cowl to prevent further chafing on exhaust tail pipe. Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check, weight 534.2 grams. Complied with Cirrus (SA) No. SA06-06 (MCU Corrosion Inspection) by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus Design Service Manual, no corrosion noted. Next MCU corrosion inspection due May 2016 or Flight Hobbs: 282.4. Complied with Cirrus (SB) No. SB 2X-23-03 R1 (P-Static Dissipation Modification) by installing wing static wick installation kit P/N: 70504-001, EVS camera bonding kit P/N: 70508-001, and empennage static wick kit P/N: 70509-001 per Service Bulletin Installation Instructions, no further action required. AD's checked through Biweekly 2015-11. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



Simon J. Rubino A&P 2670700 IA w/o 35606



# MAINTENANCE RECORD F.A.R. 43.9

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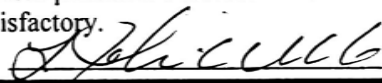
## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC      Cirrus      SR22T      S/N: 22T-0519      Airframe Log Entry

14 November 2015      Flight Hobbs: 0243.0      Hobbs Meter: 0288.4

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide. Checked flight controls and fairings. Checked condition and security of aircraft #1) battery. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and checked nose strut for specified extension dimension. Inspected brake calipers for leakage and overheating. Inspected brake caliper linings. Serviced brake reservoir. Inspected nose and right main landing gear tires and serviced to specified pressures. Checked main wheel fairing bolt torque. Installed new nut plate on right wheel pant. Checked oxygen cylinder service pressure. Serviced TKS reservoirs. Post inspection ground run-up and systems operational check satisfactory.



L. John Wells A&P 3221132

w/o 36207

### *Mountain Aircraft Maintenance Inc.*

P.O. Box 772114, Steamboat Springs, CO 80477 PH: 970-870-8986

*N: 513WC MAKE: Cirrus SR22T S/N: 0519 Hobbs: 343.0 DATE: 04/07/16*

Jacked aircraft. Removed NLG wheel fairing & wheel assembly. Disassembled wheel, removed & replaced inner tube with new Michelin Airstop 5.00x5 P/N 092-308-0 tube. Reassembled wheel, inflated tire to 30 psi & reinstalled on aircraft. Reinstalled wheel fairing & removed aircraft from jack. All work accomplished IAW Cirrus M.M. 12-10-11. Aircraft returned to service for the work performed. W.O. 0402 - END -

Daniel L. Ingram  
A&P3014106



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|--------------------|--------------------------|---|---|
|--------------------|--------------------------|---|---|

### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 22T-0519 Airframe Total Time: 298.9

1 July 2016 Flight Hobbs: 298.9 Hobbs Meter: 355.6

100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Tested Artex ME406 ELT per FAR 91.207(d) using WS Technologies beacon measurement equipment, no defects noted, Beacon Test Report No. BT100AV triple/3195/N513WS-6-6-16-B-1, dated 06-06-2016 on file. **ELT battery due May 2020.** Performed "Data Logger" functional inspection, L.E.D. annunciator light indicated no defects. Inspected pilot's and co-pilot's seats for condition and operation. Performed AmSafe post seat installation check. Inspected and lubricated cabin door latches and hinges. Performed left and right fuel cap resistance check, no defects noted, and all readings within limits. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and charged #1 aircraft battery. Performed capacitance test of #1 battery. Found to be at 90%. Inspected nose gear for condition and security. Checked nose gear oleo strut specified extension height. Checked nose wheel fork side tension. Adjusted nose gear side tension as needed. Installed new greased seal in nose gear wheel. Secured right hand upper main gear support as needed. Serviced tires to specified pressures and balanced wheel assemblies. Installed new left hand main landing gear tire with new tube. Disassembled, cleaned and inspected wheel halves. Serviced wheel bearings and balanced wheel assembly. Main tire P/N: 156E66-4, S/N: 60172241 with inner tube P/N: 097-500-0. Repaired right main wheel pant inboard screw hole as needed. Inspected left and right main wheel brake disks, calipers and linings. Installed new right brake insulator. Service brake reservoir. Inspected nose and main gear wheel fairings and mounting brackets for condition and security. Inspected air condition evaporator, condenser and system components for condition and security. Inspected oxygen system for component condition and security per Precise Flight Oxygen System (ICA). Inspected TKS system for component condition and security and system leakage, no defects noted. Wiped down and inspected engine cowling.

(Page 1)

(Continued)



# 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.<br>WORK PERFORMED/RETURNED TO SERVICE |
|--------------------|--------------------------|---|--|

### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC      Cirrus      SR22T      S/N: 22T-0519      Airframe Total Time: 298.9

1 July 2016      Flight Hobbs: 298.9      Hobbs Meter: 355.6

(Continued)      (Page 2)

Inspected cabin fire extinguisher for condition and security and performed 12 month cabin fire extinguisher weight check, weight 533.1 grams. Performed FIKI system check as needed. Complied with Cirrus SA06-06 (MCU Corrosion Inspection) by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus Design Service Manual, no corrosion noted. Next MCU corrosion inspection due July 2017 or Flight Hobbs: 398.9. Complied with Cirrus SB 2X-32-22 (Nose Landing Gear Gusset Tube Inspection) by inspecting the nose landing gear assembly gusset tubes and welds for cracks as outlined in Service Bulletin. AD's checked through Biweekly 2016-12. Inserted POH Revision 13772-005R1 into Pilot's Operating Handbook. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**



Simon J. Rubino A&P 2670700 IA      w/o 36799

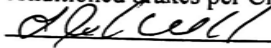
### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC      Cirrus      SR22T      S/N: 22T-0519      Airframe Log Entry

10 November 2016      Flight Hobbs: 365.8      Hobbs Meter: 445.7

Resealed right and left brake calipers using new O-rings. Reinstalled caliper and bled brake system. Serviced reservoir as needed. Applied new temperature indicators. Installed new brake pad linings and conditioned brakes per Cleveland Service Manual. Operational check satisfactory.



L. John Wells A&P 3221132 IA      w/o 37415

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF  
COMPLETIONAIRCRAFT TIME  
IN SERVICEDESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USEDAGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE


### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 22T-0519 Airframe Log Entry

15 December 2016 Flight Hobbs: 404.6 Hobbs Meter: 493.3

Completed 50 Hour Servicing this date using Cirrus 50 Hour Inspection items as a guide and the Precise Flight Oxygen System Instructions For Continued Airworthiness as a guide. Checked flight controls and fairings. Inspected, cleaned, resealed, and leak checked fuel strainer. Checked security of #1 aircraft battery. Serviced brake fluid reservoir. Inspected nose and main landing gear tires and serviced to specified pressures. Inspected nose gear strut gusset for security and condition, No cracks found repainted. Inspected brake calipers and linings. Checked main wheel fairing bolt torque. Post inspection ground run-up and systems operational check good.

  
Cody R. Robinson A&P 3159980 w/o 37519**VAIL VALLEY  
JET CENTER**

N513WC 01-10-2017 Flight time 432.6

Visually inspected tires and inflated to manufacturers recommended pressure with nitrogen.

  
C. G. Lucas

A&amp;P 2822684 IA

W/O 17-00022

# 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 |
|--------------------|--------------------------|---|---|
|--------------------|--------------------------|---|---|



**VAIL VALLEY  
JET CENTER**

0871 Cooley Mesa Rd.  
Gypsum, CO 81637  
Phone: 970-524-4003  
amx@vvjc.com

1/13/2017

Cirrus SR22T Serial# 0519 Hobbs: 539.9 N513WC

Removed NLG 5.00-5 6 ply tire P/N: 505C61-3 S/N:21237566 and 5.00-5 tube and installed New 5.00-5 6 ply Tire P/N: 505C41-4 S/N: 42847572 and New 5.00-5 Tube PN: 092-308-0 SN: N/A in reference to Cirrus SR22T MM 12-10-11. Serviced tire with dry nitrogen. Operational check normal, no leaks noted.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED ABOVE. I have not performed nor have I been authorized to perform any inspection of this aircraft or review any of the maintenance records including Part 39 compliance.

Alexander Haberich A&P 3683661

END



N513WC  
Engine Log  
**VAIL VALLEY  
JET CENTER**

Date: 03-22-2017

Tach:517.4 FLT

Drained oil, removed filter and installed new P/N CH48108-1

added 8 qts of Aeroshell W15W-50. Performed engine run.

Leak check good.

Jacob Brubaker A&P 3630344

PH# 970-524-4003

Shop order SO-17-00208

# MAINTENANCE RECORD F.A.R. 43.9

DATE OF  
COMPLETIONAIRCRAFT TIME  
IN SERVICEDESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USEDAGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE**VAIL VALLEY  
JET CENTER**0871 Cooley Mesa Rd.  
Gypsum, CO 81637  
Phone: 970-524-4003  
amx@vvlc.com

4/28/2017

Cirrus SR22T Serial# 0519 Hobbs: 698.2 Flight: 569.8 N513WC

Drained oil from engine and serviced engine with 8 Qts. Aeroshell 15W-50. Removed oil filter and replaced with new P/N: CH48108-1. Cut open old filter and inspected for contaminants. No contaminants found at this time. Performed an engine run up to check for leaks - no leaks noted at this time. Operational check normal. Engine oil service performed in reference to Continental TSIO-550-C Maintenance and Overhaul Manual 6-3.8.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED ABOVE. I have not performed nor have I been authorized to perform any inspection of this aircraft or review any of the maintenance records including Part 39 compliance.

Alexander Haberich A&amp;P 3683661

END

**VAIL VALLEY  
JET CENTER**0871 Cooley Mesa Rd.  
Gypsum, CO 81637  
Phone: 970-524-4003  
amx@vvlc.com

3/30/2017

Cirrus SR22T Serial# 0519 Hobbs: 659.7 Flight: 536.1 N513WC

Removed #1 Battery PN: RG24-11M SN: 40584846 and installed New #1 Battery PN: RG24-11M SN: 40851092 in reference to Concorde RG Series owner/operator manual, Document No. 5-0324. Operational check normal.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED ABOVE. I have not performed nor have I been authorized to perform any inspection of this aircraft or review any of the maintenance records including Part 39 compliance.

Alexander Haberich A&amp;P 3683661

END

# 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 |
|--------------------|--------------------------|---|---|
|--------------------|--------------------------|---|---|

Date: 10-31-2019  
Registration: N513WC  
Make: Cirrus SR22T  
S/N: 519

### *Airframe Logbook Insert*

Flight: 1046.5  
ACTT: UNK  
Hobbs: 1296.8

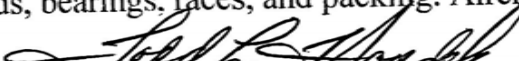
**JACKSON  
JETCENTER**  
FBO CHARTERS MAINTENANCE  
3673 Rickenbacker St. Boise, ID 83705

Removed worn turbo charger transition exhaust tube at cylinder #2 and the ASM transition tube at the wastegate. Installed new turbo transition exhaust 658681 with new gasket 652456. Installed new ASM transition tube 657630 and gasket 636465. All work was performed ref Cirrus Maintenance Manual Chapter 78-10. Post maintenance engine run, power check 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-19471.


Signature of Authorized Representative

  
F.A.A. Repair Station #GBBR155E

4/30/2020 N513WC AIRCRAFT Removed and Replaced wheel and gear fairings. Removed and replaced right, main tire with 15 x 6.00-6, 6 Ply Specialty Air Trac. Inspected brake pads, bearings, races, and packing. Aircraft returned to Service.  
Todd L. Houdek  3178085 A&P/IA

# INSPECTION RECORD

## F.A.R. 43.11-91.409

| DATE      | AIRCRAFT TIME<br>IN SERVICE | KIND OF INSPECTION—STATUS & DISCREPANCY LIST<br>SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE   |
|-----------|-----------------------------|--|
| 14 May 13 | 2.3                         | <p>Production Flight Test accomplished in accordance with Cirrus Procedure #90504.</p> <p>Name: Dan Ryan      Date <u>14 May 13</u></p> <p>Signature: <u></u></p> <p>Title: Production Flight Test Pilot</p>  |
| 05/15/13  | 2.3                         | <p>I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated <u>05/15/13</u>.<br/>The next inspection is due <u>05/31/14</u>.</p> <p><u></u></p> <p>David C. Hallfrisch<br/>DMIR-833854-CE</p> |

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME  
IN SERVICEKIND OF INSPECTION-STATUS & DISCREPANCY LIST  
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC

Cirrus

SR22T

S/N: 0519

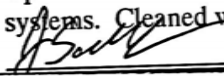
Aircraft Total Time: 18.1

1 July 2013

Flight Hobbs: 18.1

Hobbs: 24.5

Complied with first 25 hour inspection per Cirrus scheduled maintenance interval. Serviced tires. Checked #1 battery. Reloaded software in configuration mode and selected the "SMS/Voice Only" option. Operational check satisfactory. Installed new o-rings on oxygen mask fittings. Serviced oxygen and TKS systems. Cleaned windows and vacuumed interior.

  
Jeremy D. Trussell A&P 610051913

w/o 33294

### ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC

Hartzell

PHC-J3Y1F-1N/N7605B

S/N: NJ714B

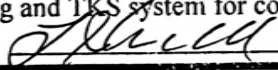
Propeller Log Entry

14 January 2014

Flight Hobbs: 103.4

Hobbs Meter: 125.6

Completed 50 Hour Inspection this date using the Cirrus 50 Hour Inspection items as a guide. Inspected propeller hub for leakage and blade leading edges for stone nicks. Inspected propeller de-ice boots, slinger ring and TKS system for component condition and security.

  
L. John Wells A&P 3221132

w/o 33923

# INSPECTION RECORD F.A.R. 43.11-91.409

DATE

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

October 20, 2016

N513WC

Cirrus SR22T S/N 0519

Flight time: 340.4

Erie Municipal Airport  
395 Airport Drive  
Erie, Colorado 80518

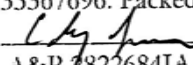
1. Replaced starter drive adapter with overhauled exchange unit from Continental Motors inc. P/N R-658440A3
2. Drained engine oil, removed and examined oil filter. No contamination found. Serviced with 8qts Aeroshell 15W50 oil and new CH48108-1 oil filter. Performed run up leak operational and leak check. —END—.



Terrill Shafer  
AP28602779



N513WC 06-08-2017 Hobbs:752.8 Flight Time:613.9  
Removed main gear tires and replaced with retread 15x6.0  
6 tires serial number left tire 7158W00310 and right  
33367696. Packed wheel bearings.

  
A&P 2822684IA

C. G. Lucas

W/O 17-00278



# 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

DATE

AIRCRAFT TIME  
IN SERVICE

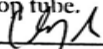
46



**VAIL VALLEY  
JET CENTER**

N513WC 06-13-2017 Flight: 0619.0 Hobbs: 0759.3

Replaced right main gear tube with new Aero Classic 15 6.00  
air stop tube.

  
A&P 28226841A

C. G. Lucas

W/O 17-00278

# INSPECTION RECORD

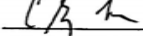
## F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME  
IN SERVICEKIND OF INSPECTION-STATUS & DISCREPANCY LIST  
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

### VAIL VALLEY JET CENTER

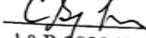
N513WC 06-28-2017 Hobbs: 773.0 Flight: 631.0  
Serviced fuel strainer. Serviced main battery. Replaced aux  
batteries with part#50979-001. Replaced TKS filter with  
part #21986-203. Replaced intake air filters with part  
#27166-001. Packed nose gear bearings. Tested ELT as per  
FAR 91-207. Complied with SB2X-79-04kit #70551-001.  
A.D.2012-01-11 N/A. I certify that this aircraft has been  
inspected in accordance with an annual inspection and has  
been found to be airworthy.

  
C. G. Lucas  
A&P 2822684IA W/O 17-00313



### VAIL VALLEY JET CENTER

N513WC 02-26-2018 Hobbs time: 1008.7 Flight Time  
0821.3  
Replaced nose tire with new Goodyear P/N 505C41-4 S/  
N 42837602 and new Air guard tube.

  
C. G. Lucas  
A&P 2822684IA S/O 18-00155



# VAIL VALLEY JET CENTER

AGENCY LIST  
MOVING AIRCRAFT FOR SERVICE

| DATE | AIR<br>IP |
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N513WC 03-01-2018 Hobbs time: 1010.9 Flight Time  
0823.0. Packed wheel bearings. Replaced brake pads part  
number 066-06200 on both sides. Replaced Brake rotors  
part number 164-02504. replaced O-rings part number  
M83461/1-222 in both brake calipers.

*CLH*  
C. G. Lucas  
A&P 28226841A S/O 18-00101

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 22T-0519 Airframe Log Entry

05 May 2018 Flight Hobbs: 0848.5 Hobbs Meter: 1043.9

Secured co-pilot door panel using new dual-lock tape. Straightened pilot lower door latch and timed as  
needed. Serviced nose strut as needed. Operational check satisfactory.

*L. John Wells*  
L. John Wells A&P 3221132 w/o 38989

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 22T-0519 Airframe Total Time: 0859.9

26 July 2018 Flight Hobbs: 0859.9 Hobbs Meter: 1059.5

100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection  
Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide. Inspected /  
Tested Artex ME406 ELT system according to applicable Aircraft and ELT manufacturer's instructions  
and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No.  
BT100AVtriple/3195// N513WS-7-13-18-1, dated 07/13/2018 on file. file. ELT battery due May 2020.  
Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and charged #1 aircraft battery.  
Performed capacitance test of #1 battery. Found to be at 115%. Inspected left and right main wheel brake  
disks, calipers and linings. Replaced upper temperature sticker on left brake caliper. Service brake  
reservoir.

(Continued) (Page 1 of 2)

**F A R 4211 01 100**  
**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

**N513WC** Cirrus

SR22T

S/N: 22T-0519

Airframe Total Time: 0859.9

26 July 2018

Flight Hobbs: 0859.9

Hobbs Meter: 1059.5

(Page 2 of 2)

Installed new left and right main tires, P/N: 156E66-4, S/N: 81132013, 8122045 and tubes P/N: 092-500-0. Balanced wheel assemblies and reinstalled on aircraft. Installed new grease seal on nose wheel. Repair and paint of nose wheel pant cup by Haggan Aviation. Installed new slinger ring P/N: 15321-003 with new o-rings and lock-o-seals. Tightened left elevator outboard hinge nut and secured with cotter pin. Secured left and right brake line tie down supports. Completed fiberglass repair of elongated bolt hole on right and left wheel pant. Installed new black upholstery button on pilot's door. Hydrostatic test of oxygen cylinder competed by DOT, Inc. Reinstalled regulator and serviced bottle 2000psi. Leak check satisfactory. **Next oxygen bottle hydrostatic test due July 2023.** Inspected cabin fire extinguisher for condition and security and performed 30 day cabin fire extinguisher weight check, weight 531.1 grams. Performed FIKI system check as needed. Complied with Garmin GSM 86 Servo Clutch Torque Check, all reading found to be within normal limits. **Next check due July 2020.** Complied with Cirrus SA06-06 (MCU Corrosion Inspection) by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applying MIL-C-81309 Type III Corrosion Inhibitor per the Cirrus Design Service Manual, no corrosion noted. **Next MCU corrosion inspection due July 2019.** Complied with Cirrus SB 2X-52-08 R2 (Cabin Door Strut Diverters / Rod Ends) by installation of new cabin door gas strut rod ends and diverters as included in kit P/N: 70544-001. Complied with Cirrus SB 2X-74-02 (Ignition Switch) by applying Loctite 222 to ignition switch finishing collar. Complied with Cirrus SB 2X-95-23 R1 (CAPS Aft Grain Replacement) by disassembly of rocket motor. Grains found to be free of contamination. Reassembled rocket motor using new Ortman key and hardware as listed in Service Bulletin. Complied with Cirrus SB 2X-95-24 R1 (CAPS Grounding Wire) by installation of new grounding wire kit P/N: 70572-001. AD's checked through Biweekly 2018-16. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. 1

**CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

Randy C. Johnson A&amp;P 3123186 IA

w/o 39212

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 22T-0519 Airframe Log Entry

11 May 2019 Flight Hobbs: 0963.4 Hobbs Meter: 1194.1

Installed new reefing line cutters S/N: 4059 and S/N: 3989 as provided in Kit P/N: 26707-002, manufacture date 02-2019. New line reefing line cutters installed using Cirrus CMM as a guide. Next Reefing Line

Cutter replacement due February 2025.



Nathaniel Alan Beuthel A&P 3659835

w/o 40094

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N513WC Cirrus SR22T S/N: 0519 Airframe Total Time: 0995.6

06 August 2019 Flight Hobbs: 0995.6 Hobbs Meter: 1233.2

100 Hour/Annual Inspection completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Precise Flight Oxygen System Instruction for Continued Airworthiness as a guide.

Inspected / Tested Artex ME406 ELT system according to applicable Aircraft and ELT manufacturer's instructions and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No. BT100AVtriple/3195// N513WS-7-29-19-1, dated 07/29/2019 on file. Installed new ELT

remote arming switch battery P/N: PX28LB. Next ELT remote battery due August 2024. ELT battery due May 2020. Inspected, cleaned, resealed, and leak checked fuel strainer. Inspected and charged #1

aircraft battery. Installed (2) new #2 aircraft batteries P/N: 50979-001. Next replacement of #2 aircraft batteries August 2021 or Flight Hobbs Time: 1495.6. Repositioned pilot and co-pilot door seals and

added filler in gap. Replaced o-ring on red light for Tanis system. Installed serviceable pilot's cup holder retract arm. Sealed all four NACA vents on bottom of wings. Repaired faulty connection on back of remote

ELT switch. Installed new nose landing gear thrust washer and set side tension. Adjusted yaw and roll bridle cable tensions. Adjusted nose strut to proper height. Installed new seals on nose wheel bearings.

Installed new right brake insulator P/N: 068-0110. Inspected cabin fire extinguisher for condition and security and performed 30 day cabin fire extinguisher weight check, weight 522.1 grams. Serviced oxygen

system..

(Continued) (Page 1 of 2)

# INSPECTION RECORD F.A.R. 43.11-91.409


|      |                             |  |
|------|-----------------------------|--|
| DATE | AIRCRAFT TIME<br>IN SERVICE | KIND OF INSPECTION-STATUS & DISCREPANCY LIST<br>SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE |
|------|-----------------------------|--|

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N513WC Cirrus SR22T S/N: 0519 Airframe Total Time: 0995.6

06 August 2019 Flight Hobbs: 0995.6 Hobbs Meter: 1233.2 (Page 2 of 2)


Complied with Cirrus SA06-06 (MCU Corrosion Inspection) by removing MCU cover and inspecting unit for corrosion as outlined in Service Advisory and applied corrosion inhibitor, no corrosion noted. Next MCU corrosion inspection due August 2020. Complied with Cirrus SA 18-06 / AmSafe SB501583-25-01 (Loose Fasteners) by inspection of inertia reel fasteners and applying torque seal to fasteners. No defect noted. Complied with Cirrus SB 2X-42-17 (Software Update) by updating software from 0764.35 to 0764.37 SR22T, 3600#, Dual AHRS, Dual ADC, SR22 DIN IEC 751 Oil Temp Sensor, SR22 Integrated Fuel Quantity Indicators, GFC700 with YD, ESP- No Low Speed Mode, GTX33ES, Avidyne TAS 6XX, GDL 69A, GRS 56 (Voice/SMS), GMA350, CO Guardian, EVS Installation, Oxygen System, Dual Bearing Pointer, Known IPS (FIKI) Digital, Hi Sense -1, Lo Sense 1, Cleared user settings, Completed HSCM calibration. Updated splash screens and check list, updated POH. AD's checked through Biweekly 2019-15. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

  
Randy C. Johnson A&P 3123186 IA w/o 40384

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N513WC Cirrus SR22T S/N: 22T-0519 Airframe Log Entry

14 August 2019 Flight Hobbs: 0998.0 Hobbs Meter: 1236.9  
Installed new nose tire tube. Balanced wheel assembly. Reinstalled assembly on aircraft.

  
L. John Wells A&P 3221132 w/o 40464

**INSPECTION RECORD**  
**F.A.R. 43.11-91.409**

October 11 2019  
N315WC  
Cirrus SR22T S/N: 0519  
Flight Meter: 1018.3



Erie Municipal Airport  
395 Airport Drive  
Erie, Colorado 80516

Performed general inspection for pre-purchase evaluation. General look over of aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. Noted life limited items to buyer. —END—

*Paul D. Randall*  
Paul D Randall  
AP30813411A



www.beaconregistration.noaa.gov

Exp.: 12/09/2021

**ADCC4 0ED50 00315**

If activated, call the AFRCC at

**1-800-851-3051**



www.beaconregistration.noaa.gov

Exp.: 10/11/2023

**ADCC4 0ED50 00315**

If activated, call the AFRCC at

**1-800-851-3051**

# INSPECTION RECORD

## F.A.R. 43.11-91.409

| DATE | AIRCRAFT TIME IN SERVICE | KIND OF INSPECTION-STATUS & DISCREPANCY LIST<br>SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE |
|------|--------------------------|--|
|------|--------------------------|--|

Date: 11-27-2019  
 Registration: N513WC  
 Make: Cirrus SR22T  
 S/N: 0519

### Airframe Logbook Insert

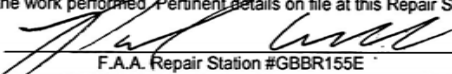
Hobbs: 1332.7  
 Flight: 1075.6  
 AFL: UNK

**JACKSON  
JETCENTER**  
FBO | CHARTERS | MAINTENANCE  
 3873 Rickenbacker St. Boise, ID 83705

Replaced both LH aileron hinge bushings 50224-001 ref Cirrus Maintenance Manual 55-20. Adjusted nose oleo strut height within specs ref AMM 32-10. Replaced both foam door seals with new 653487. Removed O2 bottle 026N2003-3 and regulator 099N0025-2 S/N: HPR101464 for testing and overhaul. Placarded O2 system INOP. Fabricated patch on forward, center engine baffle ref AC43.13. Adjusted RH magneto timing to 24\* ref EMM M-18. Replaced seal on engine LH accessory shaft with new seal 25102 ref EMM M-18. Replaced gasket on alternator #1 pad with new 653981. Replaced alternator belt with new 657970 ref AMM 24-30. Re-installed propeller with new O-ring C-3317-228 ref AMM 61-10. 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-19513.

Signature of Authorized Representative \_\_\_\_\_

  
 F.A.A. Repair Station #GBBR155E

Date: 12-5-2019  
 Registration: N513WC  
 Make: Cirrus SR22T  
 S/N: 0519

### Airframe Logbook Insert

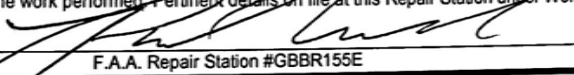
Hobbs: 1338.7  
 Flight: 1080.1  
 AFL: UNK

**JACKSON  
JETCENTER**  
FBO | CHARTERS | MAINTENANCE  
 3873 Rickenbacker St. Boise, ID 83705

Installed pre-assembled oxygen bottle and regulator valve assembly ref Precise Flight Inc Doc 102NMAN0002 Rev G. Oxygen cylinder 026N2003-3 S/N: 6268-2233 was hydrostatically tested on Dec 2019. Oxygen regulator valve assembly 099N0025-2 S/N: HPR101464 was overhauled and is zero-time Dec 2019. Oxygen system was serviced, and leak checked with satisfactory results.

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-19556.

Signature of Authorized Representative \_\_\_\_\_

  
 F.A.A. Repair Station #GBBR155E



# 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

DATE

AIRCRAFT TIME  
IN SERVICE

Date: 4-21-20

Registration: N513WC

Make: Cirrus SR22T

S/N: 0519

## Airframe Logbook Insert

Flight: 1093.0

ACTT: 1354.7

ETSOH: 0.0

**JACKSON  
JETCENTER**

FBO | CHARTERS | MAINTENANCE  
3873 Rickenbacker St. Boise, ID 83705

Performed Annual Inspection Ref Cirrus MM 5-20. Installed new **ELT Battery Pack** 452-6499 Serial 385367-055 expiration date May 2027. Performed ELT Test per **91.207**. Installed new TKS filter. Performed capacity check on main battery; battery passed at 95.9%. Replaced all brake linings and shims. Modified alternator wiring IAW Plane Power DWG #17-1001 Rev D. Installed **Overhauled engine** Continental TSIO-55-K Serial 1008206 ref Airframe Maintenance Manual 71-00 and TCM OH Manual M-18. Installed new engine mounts with new hardware. Installed all new flexible fluid lines forward of firewall. Installed all new EGT probes. Installed **overhauled propeller governor** S-1-44F Serial G1604NJ. Installed **repaired propeller** PHC-J3Y1F-1N Serial NJ714B. Researched ADs Bi-weekly through 2020-08. 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. Permit details on file at this Repair Station under Work Order No. JJC-20057.

Signature of Authorized Representative

  
F.A.A. Repair Station #GDDR155E

54

# INSPECTION RECORD F.A.R. 43.11-91.409

AIRCRAFT TIME  
IN SERVICE

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

DATE

**JACKSON**  
**JETCENTER**  
FSC CHARTERS MAINTENANCE

3673 Rickenbacker St  
Boise, Idaho 83705

## Aircraft Logbook Insert

Date: 5-7-2020

Make: Cirrus

Performed the following maintenance:

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 2019. Transponder correspondence checks performed with IFR 6000, SN 1000685217, Calibration date Jul 2019

No. 1 ADC: GDC74A

P/N: 011-00887-10

S/N: 20614827

Alt: 25,000

No. 1 Altimeter: United Inst

P/N: 5934AD-3

S/N: 4988852

Alt: 25,000

Performed tests/inspections required by 14 CFR 91.413 and found transponder to comply with Part 43, Appendix F. Transponder testing was performed with IFR 6000, SN 1000685217, Calibration date July 2019.

No. 1 Transponder MFR: GTX33ES

P/N: 011-00779-30

S/N: 89124814

-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. JJC-20174

Signature of Authorized Representative 

F.A.A. Repair Station #GBBR155E