

**AIRCRAFT LOG**  
**AF5-1**

# AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN CORP. MODEL SR-22 DATE OF MFG. APRIL 13

SERIAL NUMBER 3931 REGISTRATION NUMBER N812CS

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.

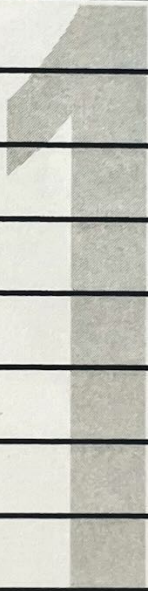
OTHER

DATE ENTERED \_\_\_\_\_

MAINTENANCE RESPONSIBILITY \_\_\_\_\_

# INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	CONTINENTAL Motors Inc.	IO-550N	R 1007980 L
ENGINE			R L
PROPELLER	HARTZELL PROPELLER Inc.	PHC-J3YF-1RF	FP8162B
PROPELLER			
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PROPELLER			



# MAJOR ALTERATIONS

DATE

DESCRIPTION OF ALTERATION

2/27/13

STC SA02013CH (Traffic Advisory System) has been installed on this aircraft. Approval for installation has been granted by the STC holder via a Licensing Agreement and the FAA via the Production Certificate / Production Limitation Record. FAA Form 337 not required for this installation.



CDC \_\_\_\_\_ on 2 / 27 / 13  
Cirrus Design Corporation Duluth, MN USA  
**PRODUCTION CERTIFICATE NO. 338CE**

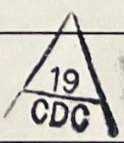
# LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

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 SR22			
PART NAME	PART NUMBER		EXPIRES
CAPS Rocket Motor	29500-004	S/N <u>0044</u>	03/21/23
CAPS Parachute	29696-003	S/N <u>B0046</u>	03/22/23
CAPS Reefing Line Cutters	26707-002	S/N: <u>0116</u> S/N: <u>0087</u>	03/25/19
ELT Battery Pack	452-6499	Date Installed <u>03/12/2013</u>	<u>02/2020</u>
EMA Controller, AAIR	20902-001	S/N: <u>A16 Jan 13-145</u>	<u>01/2020</u>
CO Detector	24660-003	S/N <u>10486</u>	<u>02/2020</u>
Pilot Seat Inflator Assembly	20902-002	S/N: AASI <u>1642</u> <u>20728</u>	<u>10/01/22</u>
Co-Pilot Seat Inflator Assembly	20902-002	S/N: AASI <u>1642</u> <u>20134</u>	<u>10/01/22</u>



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

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY      CERT. NO.
<p>I certify that the altimeter, static system, transponder, and altitude reporter test required by FAR's 91.411, 91.413, &amp; 91.217 have been performed and found within the limits of FAR 43 appendices E &amp; F and AC 43-6B.</p> <p><b>TESTED TO</b> <u>25,000</u> <b>FEET ON</b> <u>03/12/13</u>.</p> <p><b>Transponder:</b> Mfg <u>Garmin</u> P/N <u>24653-002</u>  Model: <u>GTX-33ES</u> S/N <u>89124588</u></p> <p><b>ADC 1:</b> Model <u>GDC74A</u> P/N <u>24651-001</u>  S/N <u>20614609</u>.</p> <p><b>ADC 2:</b> Model <u>GDC74A</u> P/N <u>24651-001</u>  S/N <u>20614615</u>.</p> <p><b>Altimeter:</b> Mfg <u>United</u> P/N <u>12731-003</u>  S/N <u>499 355</u></p> <p style="text-align: center;">  </p> <p>CDC Quality Assurance _____ on <u>03/12/13</u>  Cirrus Design Corporation Duluth, MN USA  <b>PC# 338CE</b></p>							

**PREFERRED AVIONICS  
AND INSTRUMENTS, LLC**

3679 Bowen Road  
Howell MI 48855  
800-736-6143 Office  
CRS# YPCR724X

**MAINTENANCE RELEASE**

This Aircraft Appliance/Component was repaired and inspected in accordance with current Federal Aviation Requirements and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under:

W.O.No. 4499 Date: 27 APR 2015

- O/H
- Repair
- F/T
- Removed Serviceable
- Rebuilt
- Other \_\_\_\_\_

Unit: AIR DATA COMPUTER

Mfg.: GARMIN

P/N 011-00892-10

Model: GDC-74A S/N 20614615

Cust: WATERFORD AVIATION

Reg: N812CS

Tech: DR

Insp. By Dan Rezak

FORM PA 2

14,000	-10	AFTER EFFECT	
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**METER & STATIC SYSTEM  
F.A.R. 91.411**

SERIAL NO.	LOCATION
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O# 4499

was tested and  
91.413 Part 43.  
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Part 43. Appen  
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**PREFERRED AVIONICS  
AND INSTRUMENTS, LLC**

3679 Bowen Road  
Howell MI 48855  
800-736-6143 Office  
CRS# YPCR724X

**MAINTENANCE RELEASE**

This Aircraft Appliance/Component was repaired and inspected in accordance with current Federal Aviation Requirements and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under:

W.O.No. 4499 Date: 27 APR 2015

- O/H
- Repair
- F/T
- Removed Serviceable
- Rebuilt
- Other \_\_\_\_\_

Unit: ALTIMETER

Mfg.: UNITED

P/N 5934AD-3

Model: STD S/N 500275

Cust: WATERFORD AVIATION

Reg: N812CS

Tech: DR

Insp. By Dan Rezak

FORM PA 2

14,000	-60	AFTER EFFECT	+10
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# Preferred

## AVIONICS & INSTRUMENTS

CRS# YPCR724X

REG N812CS WO# 4499 A/C TIME: 415.4 Hours

The ATC transponder was tested and inspected on 27 APR 2015 and found to comply with 91.413 Part 43. Appendix F. Automatic altitude reporting equipment was tested and calibrated on 27 Apr 2015 in compliance of 91.411 Part 43. Appendix E, Paragraph (C) to 20 K Ft.

I certify that the altimeter and static system tests required by FAR 91.411 Have been performed. The altimeter was tested on 27 Apr 2015

By PREFERRED Avionics & Instruments to 20,000 Ft.

Signature Dan Kegan

 **Preferred**  
AVIONICS & INSTRUMENTS

CRS# YPCR724X

REG N812CS WO# 5948 A/C TIME: 691.6 Hrs

The ATC transponder was tested and inspected on 13 APR 2017 and found to comply with 91.413 Part 43. Appendix F. Automatic altitude reporting equipment was tested and calibrated on 13 APR 2017 in compliance of 91.411 Part 43. Appendix E, Paragraph (C) to 20 K Ft.

I certify that the altimeter and static system tests required by FAR 91.411 Have been performed. The altimeter was tested on 13 APR 2017

By PREFERRED AVIONICS & INSTRUMENTS to 29 000 Ft.  
Signature Dave Rejzack

# RADIO & ELECTRONIC CHECKS

TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
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REG N812CS WO# 7430 A/C TIME: 965.3 Hobbs

The ATC transponder was tested and inspected on 12 APR 2019 and found to comply with 91.413 Part 43. Appendix F. Automatic altitude reporting equipment was tested and calibrated on 12 APR 2019 in compliance of 91.411 Part 43. Appendix E, Paragraph (C) to 20 K Ft. I certify that the altimeter and static system tests required by FAR 91.411 Have been performed. The altimeter was tested on 12 APR 2019

By PREFERRED AVIONICS & INSTRUMENTS to 20,000 Ft.  
 Signature David Rezanke

# RADIO & ELECTRONIC CHECKS


TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.
		<p>I certify that the ATC transponder was tested and inspected per FAR 91.413 on <u>4/29/21</u> and found to comply with Part 43 Appendix F. Transponder make/model <u>G-1000</u>. Automatic altitude reporting equipment was tested and calibrated per FAR 91.411 on <u>4/29/21</u> in compliance with Part 43 Appendix E paragraph C to <u>20K</u> feet.</p> <p>Work Order Number <u>670</u>                      Signature <u>[Signature]</u>                      Skyking Aviation <span style="float: right;">FAA Certified Repair Station #2ZSR121C</span>                      734-891-9110</p>			
		<p>I certify that the altimeter and static systems were tested and inspected per FAR 91.411 on <u>4/29/21</u> and found to comply with Part 43 Appendix E paragraph A and B. Altimeter tested to <u>20K</u> feet.</p> <p>Work Order Number <u>670</u>                      Signature <u>[Signature]</u> <span style="float: right;">734-891-9110</span>                      Skyking Aviation <span style="float: right;">FAA Repair Station #2ZSR121C</span></p>			

# 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
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MAKE: Cirrus  
MODEL: SR-22 G5  
S/N: 3931  
REG. NO: 812CS  
WORK ORDER:  
15269-04-2013



**Cirrus Design Factory Service Center**

Repair Station No. YD5R855Y  
4514 Taylor Circle  
Duluth, MN 55811  
Phone: 218- 788-3438

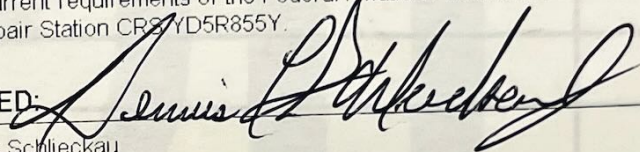
DATE: 4/12/2013  
A/C TSN: 6.7  
HOBBS: 12.1

**Airframe Entries**

(4) (FLT 6.7 ) Adjusted propeller governor high RPM stop in 1 turn and secured. IAW AMM 61-20 Ops checked GOOD




I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 4/12/2013

SIGNED: 

Dennis Schlieckau  
Certified Repair Station No. YD5R855Y

Work Order: 15269-04-2013  
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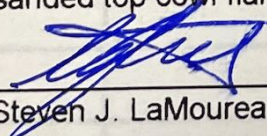




MONACO AIR

4535 Airport Approach Rd. Duluth, MN 55811  
(218) 727-2911  
Cirrus Authorized Service Center  
Cessna Authorized Service Facility

Date: 8/06/2013; Aircraft: N812CS; Type: SR22; S/N: 3931; Hobbs: 92.1; Total Time: 66.8  
Shop Order #: 13-8604

Refit and refastened pilot's door interior panel as necessary IAW CDC AMM.  
Replaced stripes on external power door and copilot's door as necessary IAW CDC AMM.  
Trimmed and sanded top cowl flange for better fit up to fuselage flange as necessary IAW CDC AMM.

Signature:  \_\_\_\_\_  
Steven J. LaMourea A&P 2841160

DATE OF  
COMPLETION

AIRCRAFT TIME  
IN SERVICE

DESCRIPTION OF WORK PERFORMED  
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVICE

MAKE: Cirrus  
MODEL: SR-22 G5  
SN: 3931  
REG NO: 812CS  
WORK ORDER:  
15336-05-2013



### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4514 Taylor Circle  
Duluth, MN 55811  
Phone: 218- 788-3438

DATE: 6/3/2013  
AVC TSN: 33 7  
HOBBS: 49 1

#### Airframe Entries

- (1) Completed Aircraft Incoming / Completion Inspection per RSM Form 21.F1.
- (2) Troubleshoot intermittent startup failure of the Perspective system where it would display a red X on random equipment.
- Repaired an intermittent ground connection in the GIA #2 back-shell connector. Aircraft operated through numerous startup sequences without fault. Flight test performed with no discrepancies noted.
- (5) Researched AD's and Mandatory SB's thru current FAA Bi-Weekly 2013-10. All AD's and MSB's are in compliance at this time.
- (11) Performed Gascolator servicing IAW AMM chapter 28-20. Leak check good.
- (15) Lubricated aircraft as outlined in Cirrus AMM 12-20, Lubrication Schedule.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 6/3/2013

SIGNED:

James Chrisman  
Certified Repair Station No. YD5R855Y

Work Order: 15336-05-2013

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PREFERRED AVIONICS 3679 Bowen Road Howell, MI 48855 YPCR724X  
LOG ID# 682 28-October-2013 WO# 3343 AC TT 143.7  
N812CS S/N 3931 CIRRUS DESIGN CORP SR22

Pg 1 / 1

\*\*\*\* ITEM # 3343-1 SWAPPED TAS610 FOR CUSTOMERS ORIGINAL UNIT \*\*\*\*

DISCREPANCY: SWAPPED TAS610 FOR CUSTOMERS ORIGINAL UNIT

Model: TAS610 Part#: 70-2420 Serial#: 060566

ACTION: Per customers request, removed Avidyne TAS610 processor S/N: 060566, installed customers original unit P/N: 70-2420 S/N: M130590702. Ramp test verified proper operation.

Signed YPCR724X JOHN GUSTAFSON

28/oct/2013  
Date

# 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
<b>Waterford Aviation, Inc.</b> 2121 Airport Rd.    Waterford, MI 48327    (248) 666-3333    (248) 666-1094 fax <u>MX@WaterfordAviationInc.com</u> <u>www.WaterfordAviation.com</u>			

Registration: N812CS    Type: Cirrus SR22-G5    S/N: 3931

Date: November 1, 2013    Hobbs: 144.0    Flight Hobbs: 106.3    ACTT: 106.3



Completed Cirrus 50-Hour/Oil Change Checklist by inspection and function check. No defects noted at this time. All work done IAW Cirrus SR22 Service Manual.-----END-----

*David Jones AYP 3881264*

PREFERRED AVIONICS 3679 Bowen Road Howell, MI 48855 YPCR724X  
 LOG ID# 668 17-September-2013 WO# 3224 HOBBS 128.5  
 N812CS S/N 3931 CIRRUS DESIGN CORP SR22 Pg 1 / 1

\*\*\*\* ITEM # 3224-1 Traffic Inop \*\*\*\*  
 DISCREPANCY: Traffic Inop  
 Model: TAS610 Part#: 70-2420 serial#: M130590702  
 ACTION: Ramp test verified problem, removed system from service. Reconfigure PFD/MFD to remove traffic from system and disabled traffic control. Computed new weight and balance. Aircraft OK for flight. Boxes and shipped original unit out for repair. Received exchange unit back P/N: 70-2420 S/N: 060566. Reinstalled in aircraft. Original install was missing jumper for Com port 1. Installed new jumper. Reassembled aircraft. Ramp test verified proper operation.

*Paul J. Hatfield*    17 SEP 13

	<b>Glendale Aero Services</b>	Registration: N812CS	<b>AIRFRAME LOG</b>
	6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-414-4930	Date: 2/21/2020	W/O: 6003130
		Model: SR22	Flt Hobbs: 865.7
		S/N: 3931	Hobbs: 1078.7
Removed connector on fuel flow transducer. Cleaned connector with electro contact cleaner and applied Stabilant 22. Reconnected connector. Operational checks normal. MX performed IAW the Cirrus SR22 AMM Chapter 77-10.			
SIGNATURE: <i>Matthew Hatfield</i> 		FAA AUTHORIZATION: 2766522 IA	

# 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

MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
2581-04-2014



**Waterford Aviation, Inc.**

2121 Airport Road  
Waterford, MI 48327  
Phone: (248)-666-3333

DATE: 09 May, 2014  
A/C TSN: 184.3  
HOBBS: 184.3

## Airframe Entries

- Completed Annual Inspection in scope & detail of FAR 43 App. D and IAW Cirrus SR22 Service Manual. Researched AD's thru bi-weekly 2014-09 - none due at this time. Installed new BA-24 air filter. Lubricated airframe as required. I certify that this Airframe has been inspected in accordance with an Annual Inspection
- Inspected AMSafe seatbelts and associated airbag seatbelt components IAW AMSafe ICA. No defects noted at this time.
- Tested and inspected ELT IAW FAR 91.207(d) and ARTEX function check and report. Ok for service at this time. Battery due May 2020
- Disassembled left and right tire and wheel assemblies, rotated tires on wheels to extend tread life, reassembled, serviced tires with dry shop air, installed on aircraft. IAW Cirrus SR22 maintenance manual.
- Cleared drainage hole in left horizontal stabilizer with drill bit.
- CW SB2X-28-11R3. Replaced fuel return lines within left and right TKS deice tanks with new PNs: 17313-002. Removed existing sealant and resealed tanks with PNs: 53438-001U Adhesion promoter and CS3204B1-2-6 Sealant kit. Sealed access panels with PN: 51293-001U Access panel sealant. Topped off TKS tanks and inspected for leaks, none found.

## Maintenance Release

The aircraft and/or component(s) on N812CS was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 2581-04-2014, Dated 09 May, 2014.

DATE: 09 May, 2014

SIGNED:

Luke Hall, A&P 3695185

Work Order: 2581-04-2014

*Jeff Bowers*  
2738624 IA

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# 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
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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
2581-04-2014



### Waterford Aviation, Inc.

2121 Airport Road  
Waterford, MI 48327  
Phone: (248)-666-3333

DATE: 01 August, 2014  
A/C TSN: 216.6  
HOBBS: 216.6

### Airframe Entries

- Installed repaired tail deice proportioning valve assembly, P/N: 26355-003-REP-E, S/N: CAVIM13AO386. Ops checks good, leak check good
- Installed new pilot's side rear seat interior side panel, P/N: 29077-004. Secured with new hook and loop fastener as required.
- Installed new pilot's door panel, armrest, and trim edging as required. Fit panel as required. Door panel P/N: 20348-008, Armrest P/N: 29273-004, Edging P/N: 51523-001U.

Maintenance Release

The aircraft and/or component(s) on N812CS was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 2581-04-2014. Dated 01 August, 2014.

DATE: 01 August, 2014

SIGNED:

Luke Hall, A&P: 3695185

Work Order: 2581-04-2014

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### Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4935

Registration: **N812CS**

Date: 11/29/2018

Model: SR22

S/N: 3931

W/O: 6002634

Flt Hobbs: 732.7

Hobbs: 915.2

### AIRFRAME LOG

Removed propeller and existing crank seal. Re-installed propeller with new crank seal p/n 641250 and new prop o-ring p/n C3317-228. Ground run-up, operation and leak checks normal. MX performed IAW the Cirrus SR22 AMM Chapter 61-10.

SIGNATURE: Matthew Hatfield

FAA AUTHORIZATION: 2766522 IA

# MAINTENANCE RECORD F.A.R. 43.9

DATE  
COMPL

MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
2837-10-2014



## Waterford Aviation, Inc.

2121 Airport Road  
Waterford, MI 48327  
Phone: (248)-666-3333

DATE: 01 October, 2014  
A/C TSN: 257.6  
HOBBS: 257.6

7. SERVICE  
DATE OF  
COMPLETION

### Airframe Entries

Replaced RH brake linings with (x4) APS66-06200linings. Ops check good.

#### Maintenance Release

The aircraft and/or component(s) on N812CS was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 2837-10-2014, Dated 01 October, 2014.

DATE: 01 October, 2014

SIGNED:

Jeff Bowers, A&P: 2738624

Work Order: 2837-10-2014

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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
3351-12-2015



## Waterford Aviation, Inc.

2121 Airport Road  
Waterford, MI 48327  
Phone: (248)-666-3333

DATE: 22 December, 2015  
A/C TSN: 391.3  
HOBBS: 391.3

### Airframe Entries

Checked lights, tires, brakes and exhaust. No defects noted at this time. Adjusted Tire pressure IAW POH.  
Complied with SB2x-28-12R1 via visual inspection, no defects noted at this time. Installed TPOH 15-24 as required.

DATE: 22 December, 2015

SIGNED:

Luke Hall, A&P: 3695185

Work Order: 3351-12-2015

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# MAINTENANCE RECORD F.A.R. 43.9



## LANDMARK AVIATION

14700 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

**N812CS**    Date: January 16, 2015  
 Model # Cirrus    S/N SR22  
 AFTT: 285.1    HOBBS: 301.5  
**AIRFRAME LOG ENTRY**

Removed and installed reworked Altimeter see 8130-3  
 Dec/04/2013 WO# 43503-SN5-500275 by United Instruments  
 CRS#PT 2R095L IAW Cirrus SR22 MM 34-11 Performed leak  
 test IAW FAR 91.411abd comply with FAR 43 append E Para

(C)	P/N	S/N
Altimeter	5934AD-3	499355
Removed	5934AD-3	500275
Installed		

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. S29-15-01409**

*[Signature]*  
 FAA CRS# LN3R663L

**LANDMARK AVIATION**

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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# 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

MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
3066-04-2015



### Waterford Aviation, Inc.

2121 Airport Road  
Waterford, MI 48327  
Phone: (248)-666-3333

DATE: 04 May, 2015  
A/C TSN: 326  
HOBBS: 326

### Airframe Entries

- Completed Annual Inspection in scope & detail of FAR 43 App. D and using Cirrus SR22 Service Manual Checklist as a guide. Researched AD's thru bi-weekly 2015-07 - none due at this time. Replaced BA24 Induction filter with new. Lubricated airframe as required. Complied with ICAW for Tanis engine Preheat system. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and has been found to be in Airworthy condition at this time.
- Tested and inspected ELT IAW FAR 91.207(d). Ops checks good. Battery replacement due May 2020.
- Replaced LH tire and tube with new, PN: 156E661, SN: 40487735 (tire) and PN: 097-500-0 (tube). Replaced RH tire and tube with new, PN: 156E61-3, SN: 957442972079 (tire) and PN: 097-500-0 (tube).
- Replaced LH brake linings with new (x4) with new, PN: APS66-06200. Replaced 1 pin on LH brake pressure plate with new, PN: APS177-00300.
- Replaced #2 batteries with 2 new P/N NP7-12T. Ops check good
- Replaced muffler and heat exchanger with new P/Ns 14836-001 and 21892-001.
- Replaced both worn left hand tail pipe springs with new P/N 51381-001.
- Replaced all leaking rocker cover gaskets with new P/N 1366-1 (qty 12).
- Adjusted intake manifold position to allow for more clearance between throttle bracket and #2 intake tube.
- Removed audio panel 011-02385-00 (S/N: 1UF005485) and installed overhauled unit (S/N: 1UF005430) as overhauled by Garmin International CRS# G6XR582Y under W O. 3853396 - function check good

DATE: 04 May, 2015


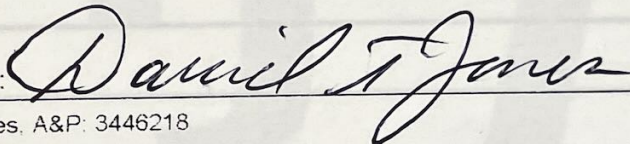

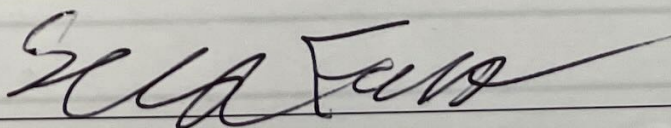
SIGNED:

Michael P. Ellis, A&P: 3446715 **IA**

Work Order: 3066-04-2015

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# 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
MAKE: Cirrus MODEL: SR22 S/N: 3931 REG. NO: N812CS WORK ORDER: 3245-09-2015		<b>Waterford Aviation, Inc.</b> 2121 Airport Road Waterford, MI 48327 Phone: (248)-666-3333	DATE: 14 September, 2015 A/C TSN: 361.3 HOBBS: 361.3
<b>Airframe Entries</b>			
- Primed de-ice system. Added 2 gallons TKS fluid to the left and right TKS tanks. Install one 2.5 gallon container of TKS in the aft cargo bay			
DATE: 14 September, 2015	SIGNED:  Dave Jones, A&P: 3446218		Work Order: 3245-09-2015 Printed by EBis 3 (datcomedia.com)
MAKE: Cirrus MODEL: SR22 S/N: 3931 REG. NO: N812CS WORK ORDER: 4972-05-2019		<b>Waterford Aviation, Inc.</b> 6548 Highland Rd Suite 900 Waterford, MI 48327 Phone: 248-724-2400	DATE: 04 June, 2019 A/C TSN: 790.5 FLIGHTTIME: 790.5
<b>Airframe Entries</b>			
- Replaced nose tire (505C61-8) and tube (092-308-0) with new. - Replaced co-pilot door strut with new, P/N 18200-004.			
DATE: 04 June, 2019	SIGNED:  Sean Farrelly, A&P: 3890041		Work Order: 4972-05-2019 Printed by EBis 3 (datcomedia.com)

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE: Cirrus  
 MODEL: SR22  
 S/N: 3931  
 REG. NO: N812CS  
 WORK ORDER:  
 3432-03-2016



### Waterford Aviation, Inc.

2121 Airport Road  
 Waterford, MI 48327  
 Phone: (248)-666-3333

DATE: 01 April, 2016  
 A/C TSN: 430.9  
 HOBBS: 430.9

#### Airframe Entries

- Completed Annual Inspection in scope & detail of FAR 43 App. D and using Cirrus SR22 Service Manual Checklist as a guide. Researched AD's thru bi-weekly 2016-06. Replaced BA24 Induction filter with new. Lubricated airframe as required. I certify that this Airframe has been inspected in accordance with an Annual Inspection and has been found to be in Airworthy condition.
- Tested and inspected ELT IAW FAR 91.207(d). Ops checks good. Battery replacement due May2020
- Replaced RMG brake disc with new P/N APS164-02504 along with its associated brake linings P/N APS66-06200 (qty 4).

DATE: 01 April, 2016

SIGNED:

Luke Hall, IA: 3695185

Work Order: 3432-03-2016

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MAKE: Cirrus  
 MODEL: SR22  
 S/N: 3931  
 REG. NO: N812CS  
 WORK ORDER:  
 3564-08-2016



### Waterford Aviation, Inc.

2121 Airport Road  
 Waterford, MI 48327  
 Phone: (248)-666-3333

DATE: 08 August, 2016  
 A/C TSN: 467.9  
 FLIGHTTIME: 467.9

#### Airframe Entries

- Inspected tires, wheels, lights and exhaust, no defects noted at this time.
- Installed new left brake disc, P/N: APS164-02504 and new linings, P/N: APS66-06200 (x4).

DATE: 08 August, 2016

SIGNED:

Dan Lynch, A&P: 3624030

Work Order: 3564-08-2016

Printed by EBis 3 (datcomedia.com)

# MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
3647-11-2016



## Waterford Aviation, Inc.

2121 Airport Road  
Waterford, MI 48327  
Phone: (248)-666-3333

DATE: 08 November, 2016  
A/C TSN: 496.7  
FLIGHTTIME: 496.7

### Airframe Entries

Inspected tires, wheels, lights and exhaust, no defects noted at this time. Serviced tires to spec

DATE: 08 November, 2016

SIGNED:

Luke Hall, A&P: 3695185

Work Order: 3647-11-2016

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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
3747-03-2017



## Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 22 March, 2017  
A/C TSN: 536  
FLIGHTTIME: 536

### Airframe Entries

Inspected tires, brakes, lights and exhaust, no defects noted at this time. Serviced tires with dry shop air.

DATE: 22 March, 2017

SIGNED:

Luke Hall, A&P: 3695185

Work Order: 3747-03-2017

Printed by EBis 3 (datcomedia.com)

# MAINTENANCE RECORD

## F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE: Cirrus  
 MODEL: SR22  
 S/N: 3931  
 REG. NO: N812CS  
 WORK ORDER:  
 3789-04-2017



### Waterford Aviation, Inc.

6548 Highland Rd  
 Suite 900  
 Waterford, MI 48327  
 Phone: 248-724-2400

DATE: 02 May, 2017  
 A/C TSN: 558.9  
 FLIGHTTIME: 558.9

#### Airframe Entries

- Completed Annual Inspection in scope & detail of FAR 43 App. D and using Cirrus SR22 Service Manual Checklist as a guide. Researched AD's thru bi-weekly 2017-03. Replaced BA24 Induction filter with new. Lubricated airframe as required. I certify that this Airframe has been inspected in accordance with an Annual Inspection and has been found to be in Airworthy condition.
- Tested and inspected ELT IAW FAR 91.207(d). Ops checks good. Battery replacement due May 2020.
- Inspected nose gear and fillet welds for cracking IAW SB2x-32-22. No defects noted at this time.
- Replaced left hand collector bolt with new AN4C32.
- Replaced engine drain manifold bracket with new, PN: 26939-002.
- Applied chafe tape to LH and RH wing surface at MLG pant fairing.
- Replaced O rings in R/H brake caliper, P/N MS28775-222, replaced brake temp. stickers, P/N's 51698-001 & 51698-003, and bleed brakes to spec. All done IAW Cirrus MM. Leak check good.
- Replaced #2 battery's with new NP7-12T. next replacement due in 24 months (May 2019)
- C/W SB 2X-52-08R2 Cabin Door Strut Catcher/Diverter Modification, effective March 3rd, 2016. by installing kit PN: 70544-001.
- Rim swapped both main tires.
- Replaced co-pilots cup holder with new, P/N 51179-001.

DATE: 02 May, 2017

SIGNED:

Luke Hill, IA 3695185

Work Order: 3789-04-2017

Printed by EBis 3 (datcomedia.com)



# MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
3842-06-2017



### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 05 June, 2017  
A/C TSN: 571.8  
FLIGHTTIME: 571.8

### Airframe Entries

Inspected tires, wheels, lights and exhaust, no defects noted at this time.

DATE: 05 June, 2017

SIGNED:

Jeff Bowers, A&P: 2738624

Work Order: 3842-06-2017

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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO: N812CS  
WORK ORDER:  
3972-09-2017



### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 12 September, 2017  
A/C TSN: 609.5  
FLIGHTTIME: 609.5

### Airframe Entries

Inspected tires, wheels, lights and exhaust, no defects noted at this time.

DATE: 12 September, 2017

SIGNED:

Jeff Bowers, A&P: 2738624

Work Order: 3972-09-2017

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# MAINTENANCE RECORD F.A.R. 43.9

DATE  
COMPLETED

MAKE Cirrus  
MODEL SR22  
S/N: 3931  
REG NO N812CS  
WORK ORDER  
4215-04-2018



## Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 23 April, 2018  
A/C TSN: 666.4  
FLIGHTTIME: 666.4

### Airframe Entries

Adjusted nose wheel spindle tension to within spec. Adjusted nose wheel axle tension to within spec. Serviced nose tire to 40 PSI.

DATE: 23 April, 2018

SIGNED:

Karl Nelson A&P 3525379

Work Order: 4215-04-2018

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NO.  
SERVICE

DATE

27 Mar 13

MAKE Cirrus  
MODEL SR22  
S/N: 3931  
REG NO N812CS  
WORK ORDER  
4230-05-2018



## Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 11 May, 2018  
A/C TSN: 666.7  
FLIGHTTIME: 666.7

### Airframe Entries

- Replaced RH elevator outboard hinge pin with new, PN: 11621-002 and bushing, PN: 50224-001.
- Replaced RH lower door hinge with new, PN: 21845-002
- Replaced LH and RH flap torque tube spacers with new, PN: 12925-001
- Wrapped #2 alternator power wire with fusion tape as required
- Replaced LH tailpipe hanger with new, PN: 29200-001

DATE: 11 May, 2018

SIGNED:

Karl Nelson, A&P 3525379

Work Order: 4230-05-2018

Printed by EBis 3 (datcomedia.com)

04-1-1

# 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

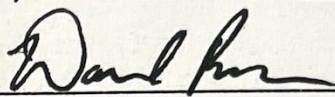
27 Mar 13

1.1

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

Name: Dan Ryan

Date 27 Mar 13

Signature: 

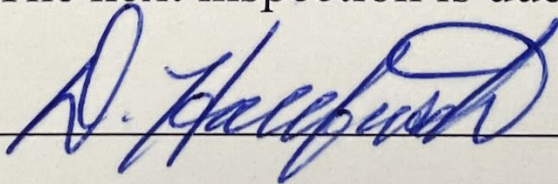
Title: Production Flight Test Pilot

04-1-13

1.1

I find that the aircraft meets the requirements for the  
certification requested and have issued an U.S. Standard  
Airworthiness Certificate dated 04 / 01 / 13.

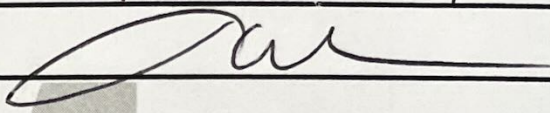
The next inspection is due 04 / 30 / 14.



David C. Hallfrisch  
DMIR-833854-CE

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
9/29/2017	TTSN 615	Replace STARTING BATTERY WITH CONCORDE P/N / RG24-11M  AP 2697379 

MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG. NO. N812CS  
WORK ORDER  
4230-05-2018



### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 11 May, 2018  
A/C TSN: 666 7  
FLIGHTTIME: 666 7

### Airframe Entries

Replaced both main tires and tubes with Goodyear flight custom III tires, P/N 156E66-4 (x2) and Goodyear 15/6 00-6 tubes, P/N 302-246-401 (x2). leak check good

DATE: 11 May, 2018

SIGNED:

Sean Farrelly, A&P 3890041

Work Order: 4230-05-2018

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10-16-2020

N812CS

Removed and replaced airfram battery  
P/N RG24-11M. Ops check good.

@KEVX

AP3761408IA

# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG NO: N812CS  
WORK ORDER:  
4230-05-2018



### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 11 May, 2018  
A/C TSN: 666 7  
FLIGHTTIME: 666 7

### Airframe Entries

Completed Annual Inspection in scope & detail of FAR 43 App. D and using Cirrus SR22 Service Manual Checklist as a guide. Researched AD's thru bi-weekly 2018-08 - none due at this time. Replaced BA24 Induction filter with new. Lubricated airframe as required. I certify that this Airframe has been inspected in accordance with an Annual Inspection and has been found to be in Airworthy condition.

- Tested and inspected ELT IAW FAR 91.207(d). Ops checks good. Battery replacement due May 2020.
- Cleaned nose gear strut of old hydraulic fluid and serviced strut to spec.
- C/W SB2x-74-02 Ignition Switch Security by application of loctite 242 to retaining hardware as required.
- C/W SB2X-95-24R1 CAPS Rocket Shelf Ground Wire by installation of ground wire kit 70572-001. Updated weight and balance information. No further action required.

DATE: 11 May, 2018

SIGNED:

Work Order: 4230-05-2018

Dan Lynch, A&P 3624030 **IA**

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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG NO: N812CS  
WORK ORDER:  
4455-09-2018



### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 02 October, 2018  
A/C TSN: 703 8  
FLIGHTTIME: 703 8

### Airframe Entries

- Inspected tires, brakes, lights and exhaust. Serviced tires with dry shop air as required.
- Installed overhauled RH muffler/heat exchanger assy, P/N: 21892-001OH with required hardware.
- Installed new 19815-004 Alt #1 power cable.

DATE: 02 October, 2018

SIGNED:

Work Order: 4455-09-2018

Karl Nelson, A&P 3525379

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# INSPECTION RECORD

## F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG NO: N812CS  
WORK ORDER:  
4831-03-2019



### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

DATE: 27 March, 2019  
A/C TSN: 761.3  
FLIGHTTIME: 761.3

### Airframe Entries

Inspected tires, wheels, lights and exhaust, no defects noted at this time.  
Purged left wing TKS panels IAW Cirrus SR22 AMM. Installed new TKS sealing o-rings, P/N: 15164-092B (x2). Leak check good, ops check good.

DATE: 27 March, 2019

SIGNED:

  
Luke Hall, A&P: 3695185

Work Order: 4831-03-2019

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MAKE: Cirrus  
MODEL: SR22  
S/N: 3931  
REG NO: N812CS  
WORK ORDER:  
6629-04-2021

### Waterford Aviation, Inc.

6548 Highland Rd  
Suite 900  
Waterford, MI 48327  
Phone: 248-724-2400

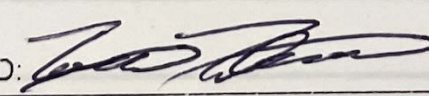
DATE: 22 April, 2021  
A/C TSN: 976.1  
FLIGHTTIME: 976.1

### Airframe Entries

Inspected tires, wheels, lights and exhaust, no defects noted at this time.

DATE: 22 April, 2021

SIGNED:

  
Travis Thompson, A&P: 3528792

Work Order: 6629-04-2021

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