

AIRCRAFT LOG
AF5-1



Base Coat Colors:

Snow White

CM0850102

Mantis Green

S11402

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

North America 1.888.888.5593

International 316.733.7576

www.swaerospace.com

415 E. Commerce Street

Andover, KS (USA) 67002



Exterior Information
22-4378

Aircraft Log

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TC #A00009CH

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Aero Products Corporation

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AIRCRAFT DESCRIPTION

MANUFACTURER Cirrus Design Corp MODEL SR22 DATE OF MFG. AUGUST 2016

SERIAL NUMBER 4378 REGISTRATION NUMBER N189FG

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	IO550N	R 1032517 L
ENGINE			R L
PROPELLER	Hartzell Propeller Inc	PHC-J341F-IN	N51362B
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

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

D

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, & 91.217 have been performed and found within the limits of FAR 43 appendices E & F and AC 43-6C.</p> <p>TESTED TO <u>18,000</u> FEET ON <u>JUL 12 2016</u></p> <p>Transponder: Mfg <u>Garmin</u> P/N <u>24653-002</u> Model: <u>GTX-33ES</u> S/N <u>89135259</u></p> <p>ADC 1: Model <u>GDC74A</u> P/N <u>24651-001</u> S/N <u>20622783</u>.</p> <p>ADC 2: Model <u>GDC74A</u> P/N <u>24651-001</u> S/N <u>20622823</u>.</p> <p>Altimeter: Mfg <u>MD 302</u> P/N <u>30499-004</u> S/N <u>E16-10020</u>.</p> <p>CDC Quality Assurance  on <u>7/12/16</u> Cirrus Design Corporation Duluth, MN USA PC# 338CE</p>							

ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

Calibration Test		
Altitude (ft)	Tolerance ± (ft)	Indicated (ft)
-1,000	20	-1005
0	20	-5
500	20	495
1,000	20	995
1,500	25	1495
2,000	30	2000
3,000	30	2995
4,000	35	3995
6,000	40	5995
8,000	60	7995
10,000	80	9990
12,000	90	11990
14,000	100	13995
16,000	110	15990
18,000	120	17990
20,000	130	---
22,000	140	---
25,000	155	---
30,000	180	---
35,000	205	---
40,000	230	---
45,000	255	---
50,000	280	---

MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.
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Model: SR22
S/N: 4378
Reg. No: N189FG

CONTOUR

AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 6/1/18
Hobbs: 482.8
Tach: 415.6

Certify that the altimeters

#1 ALTIMETER Garmin GDC74A	P/N 011-00882-10	S/N 20622783
#2 ALTIMETER Garmin GDC74A	P/N 011-00882-10	S/N 20622823
SBY-ALTIMETER Mid Continent MD302	P/N 6420302-6	S/N E16-10020

have been tested, inspected and found to comply with Appendix E, paragraph B of FAR 43. The altimeters were tested to a maximum altitude of 18,000 feet.

certify that the ATC transponder

#1 TRANSPONDER Garmin GTX33ES	P/N 011-00779-30	S/N 89135259
----------------------------------	---------------------	-----------------

has been tested and found to comply with Appendix F of FAR 43. The altitude reporting correspondence checks required have been performed and meet the criteria outlined in FAR, part 43 Appendix E.

certify that the aircraft static system was tested and inspected and found to comply with Appendix E of FAR 43.

The aircraft identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No JWN1626.

Signed:
For Corporate Flight Management, Inc. Certified Repair Station FJTR920D Form CFM 007

N#: N189FG
Position: 1
S/N: 20622783
Date: 6/1/18
W.P. #: JWN1626



DATE	TOTAL TIME	EQUIPMENT CHECKED
------	------------	-------------------

SO#	20-2946
REG.	N189FG
MAKE	CIRRUS

1. I certify that the ADC was checked and found to meet the requirements for use above 20,000 feet.

- #1 ADC
- #2 ADC
- Standby ADC
- Transponder

The work identified above was checked and found to meet the requirements. Pertinent details of the repair are as follows:

ALTITUDE CORRECTION CARD

ADC #2 A/C Tail Number

P/N:011-00882-10 N189FG

S/N:20622823

Altitude	Reading	Altitude	Reading	Altitude	Reading
-1,000	-1,000	6,000	6,000	22,000	X
0	0	8,000	8,000	25,000	X
500	500	10,000	10,000	30,000	X
1,000	1,005	12,000	12,000	35,000	X
1,500	1,505	14,000	14,000	40,000	X
2,000	2,005	16,000	16,000	45,000	X
3,000	3,005	18,000	18,000	50,000	X
4,000	4,005	20,000	20,000		

Silverhawk Certificate #: YQSR759U
 Aviation Inc. Signature: *[Signature]*

Lincoln, NE 68524

PERFORMED BY: _____
 - CERT. NO. _____

07/01/20
 1081.5

performed
 stated to

airworthy.

CHECKED


Y:
ERT. NO.

SO#	20-29469	SILVERHAWK AVIATION INC.			DATE	07/01/20
REG.	N189FG	Lincoln Municipal Airport [LNK]			HOUR	1081.5
MAKE	CIRRUS	MODEL	SR22	SERIAL NO.	4372	

1. I certify that the Altimeter, Static and ATC Transponder System tests required by FAR 91.411 and 91.413 were performed and found to meet the accuracy requirements of FAR Part 43 appendix E and F. The Altimeter was functionally tested to 20,000 feet.


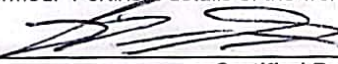
	P/N	S/N
#1 ADC	011-00882-10	20622783
#2 ADC	011-00882-10	20622823
Standby ADC	6420302-6	E16-10020
Transponder	011-00779-30	89135259

The work identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service as airworthy. Pertinent details of the repair are on file at this agency under work order No. 20-29469 Date July 01, 2020



Signed John M Byrnes  Fer,
Silverhawk Aviation Inc. CRS# YQSR759U
Lincoln, NE 68524

MAINTENANCE RECORD F.A.R. 43.9

CHECKED BY:
DATE — CERT. NO.

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	Model: SR22 S/N: 4378 Reg. №: N189FG	 <p>693 Fitzhugh Blvd. Smyrna, TN 37167 615.534.4600</p>	Date: 13-March-2018 Hobbs: 349.9 Flight: 299.1
Airframe			
Maintenance Accomplished: <ul style="list-style-type: none">-Complied with Cirrus 100 and 300 hour Cirrus CMX inspection checklist Ref Cirrus CMX program checklist.-Removed cracked front right baffle P/N 15487-009 and replaced with new baffle P/N 15487-009 Ref AMM 71-00.-Removed weak #2 batteries and replaced with new batteries P/N 50979-001 Ref AMM 247-30.			
Service Bulletins: <ul style="list-style-type: none">-Complied with Cirrus Service Bulletin 2X-95-24R1 CAPS Ground Wire Installation by installing kit P/N 70572-001 Ref SB Instructions. Updated Weight and Balance in POH-Complied with Cirrus Service Bulletin 2X-74-02 Ignition Switch Security Ref SB Instructions.-Complied with Cirrus Service Bulletin 2X-53-06 Vertical Stab Fuselage Skin Inspection Ref SB Instructions. No Damage found.-Complied with Cirrus Service Bulletin 2X-32-23-R1 Ref SB instructions. Tire pressure set at 35 PSI and side friction set at 25 LBS.-Complied with Cirrus Service Bulletin 2X-32-22 Re-occurring inspection no cracks found at this time. Next inspection due at Flight time 349.1.			
The airframe identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package № JWN1214.			
Signed: 			
For: Contour Aviation Certified Repair Station № FJTR920D Form CFM 007			

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
	Model: SR22 S/N: 4378 Reg. No: N189FG	 <p>693 Fitzhugh Blvd. Smyrna, TN 37167 615.534.4600</p>	Date: 18-Nov-2018 Hobbs: 630.8 Flight: 546.5
		Airframe	
		Maintenance Accomplished: -Complied with Cirrus 100 hour Cirrus CMX inspection checklist Ref Cirrus CMX program checklist. -Removed and replaced all cabin and baggage door locks with new kit P/N 33525-004 Ref AMM 52-30 -Removed and Replaced L/H aft baffle around oil cooler with new P/N 15473-010 Ref AMM 71-00. -Complied with 500 Hour Inspection of Alternator #2 and replaced brushes with new kit P/N 40278 Ref HET SIL-A-137 -Complied with 500 Hour Inspection of Alternator #1 Ref CMI ICA's -Removed and Replaced Engine Drain Mast with new P/N 26939-002 Ref AMM 71-70 -Removed and Replaced worn bolts on L/H and R/H Exhaust Ball Joints with New P/N AN3C20 Ref AMM 78-10 -Removed and Replaced worn bolt on L/H Exhaust Collector with new P/N AN4C35 Ref AMM 78-10 Service Bulletins: -Complied with Cirrus Service Bulletin 2X-32-22 Re-occurring inspection no cracks found at this time. Next inspection due at Flight time 596.5.	
		The airframe identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package No CIR1025.	
		Signed:  For: Contour Aviation	
		Certified Repair Station No FJTR920D	
		<small>Form CFM 007</small>	

INSPECTION RECORD

F.A.R. 43.11-91.409

CERTIFICATE NO.
RETURNED TO SERVICE

DATE

AIRCRAFT TIME
IN SERVICE

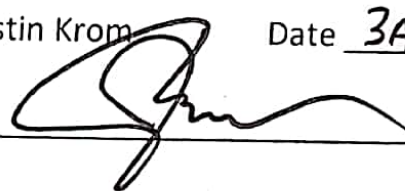
KIND OF INSPECTION-STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

3 AUG 2016

2.7

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

Name: Justin Krom Date 3 AUG 2016

Signature: 

Title: Production Flight Test Pilot

3 AUG 2016

3.0

I find that the aircraft meets the requirements for the
certification requested and have issued an U.S. Standard
Airworthiness Certificate dated 08 / AUG / 2016.
The next inspection is due 31 / AUG / 2017.



Aaron S. Knudsen
293766879

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

Model: SR22
S/N: 4378
Reg. No: N189FG



CONTOUR
AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 22-Feb-2017
Hobbs: 128.5
Flight: 109.2

Airframe

Maintenance Accomplished:

-Complied with Cirrus 100HR CMX inspection Ref AMM 05-00 and CMX checklist.

The airframe identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package No XXX000

Signed:

For: *[Signature]*
Contour Aviation

Certified Repair Station No FJTR920D

Form CPM 001

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

Model: SR22
 S/N: 4378
 Reg. No: N189FG



Date: 22-Mar-2017
 TAT: 177.6
 Hobbs: 151.7

Airframe

Maintenance:

-Troubleshoot fuel pump only pumping in prime mode. Found voltage to be being supplied to pump for both prime & boost modes. Replaced electric fuel pump (p/n: 5217-00-3 s/n: 7290) with new fuel pump (p/n: 5217-00-9 s/n: 7694), replaced fuel pump switch with new (p/n: 50331-001), & cleaned firewall ground, ops & leak checks good, ref AMM 28-20.

The airframe identified above was inspected and repaired in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package No JWN1069.

Signed:
 For: Corporate Flight management

Certified Repair Station No FJTR920D

Form CFM 007

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

Model: SR22
S/N: 4378
Reg. №: N189FG



Date: 17-Aug-2017
TAT: 200.6
Hobbs: 233.4
Flight: 200.6

Airframe

Inspections Accomplished:

- Complied with Airframe Annual Inspection. Ref AMM 05-20 and 05-30.
- Reweighed fire extinguisher. Ref AMM 26.
- Complied with ELT inspection. Ref FAR 91.207(d). Battery expires: Sep, 2022.
- Serviced № 1 battery. Ref AMM 24.

Airworthiness Directives:

- Researched ADs through 17-Aug-2017; none are due at this time.

Maintenance Accomplished:

- Updated aircraft software to version 764.35 to remove the "Register Connex" error Ref Cirrus Service Bulletin 2X-42-12. Ops check good.
- Secured loose ignition switch Ref AMM 39-10.
- Removed broken De-ice tube and replaced with new de-ice tube P/N 15407-003 Ref AMM 61-10.
- Removed worn right and left main tires and replaced with new tires P/N 156E06-1 S/N Right 62552251 and Left S/N 62542366 Ref AMM 32-41.
- Removed worn right and left brake linings and replaced with new brake linings P/N 31392-105 Ref AMM 32-42.
- Complied with Cirrus Service Bulletin 2X-32-22 Nose Landing Gear Inspection Ref Sb Instructions. No cracks found at this time. Next inspection due at 250.6 Flight time or terminating action from Cirrus.
- Complied with Cirrus Service Bulletin 2X-32-23 Nose Shimmy Reduction Ref SB instructions.

I certify the airframe identified above was inspected in accordance with an annual type inspection, as required by FAR 91.409(f)(1), found to be airworthy, and is approved for return to service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Package № JWN1198.

Signed: 
For: Contour Aviation

Certified Repair Station № FJTR920D

Form CFM 007

SO#	19-26757	SILVERHAWK AVIATION INC.				DATE	03/12/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	607.8
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378		

- Maintenance Record**
- Removed battery P/N(RG24-11m) S/N(40818562) from aircraft. Performed battery capacity test with battery passing at 93%. Reinstalled battery to aircraft. Reference Concorde RG Series Aircraft Battery Maintenance Manual #5-0171. Cirrus SR22 AMM, Chapter 24-30.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-26757 Date: March 12, 2019.

Signed: Benjamin A. Taylor  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

SO#	19-26792	SILVERHAWK AVIATION INC.				DATE	03/18/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	107
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378		

- Maintenance Record**
- Troubleshoot GDL88 Fault "GDL Needs Service" CAS Message. Performed target load of GDL88 software version 0764.35. Unit not functional. Removed GDL88 P/N:011-02369-00 S/N: 221005638. Sent to Garmin for service. Installed GDL88 P/N: 011-02369-00 S/N: 22T003705 as OVERHAULED by: Garmin International, Certificate No: G6XR582Y. See FAA form 8130-3 Tracking Number 14299602, dated 19 Feb 2019. Reload software and config G1000 Cirrus SR22 0764.35 dated 11 May 2017. Functional testing reveals normal operation. Ref: GDL88 AML STC Installation Manual Document No. 190-01310-10.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-26792 Date: March 18, 2019.

Signed: Christopher Hendrix  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

SO#	19-26757	SILVERHAWK AVIATION INC.			DATE	03/12/19
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SO#	19-26763	SILVERHAWK AVIATION INC.			DATE	03/15/19
REG.	N189FG	Lincoln Municipal Airport [LNK]			TACH	607.8
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	

Maintenance Record

1. Troubleshoot inoperative #2 alternator to broken field wire terminal due to failed bearing in the #2 alternator. Removed failed alternator P/N(657199) S/N(H-Q050069). Installed new alternator P/N(657199) S/N(H-S093185). Repaired broken field wire terminal and ran aircraft for operational checks with no discrepancies. Reference Cirrus SR22 AMM, Chapter 24-30 and AC 43.13-1B Chapter 11 section 14.
2. Removed pilot and copilot broken cupholders. Installed new cup holders P/N 51179-001. Reference Cirrus SR22 AMM, Chapter 25-10.
3. Troubleshoot #2 alternator circuit breaker popping to failed field control module, allowing alternator to overvolt and pop breaker. Removed failed field control module P/N 29434-003 S/N 3422. Installed new module P/N 29434-003 S/N 7268. Ran aircraft for operational check with no further discrepancies. Reference Cirrus SR22 AMM, Chapter 24-30.
4. Installed a new screw P/N (525-416R8) on the right main landing gear fairing axle. Reference the Cirrus SR22 AMM Chapter 32-10.
5. Troubleshoot propeller slow to turnover. Removed main aircraft battery p/n RG24-11M s/n 40818562 and installed new main battery p/n RG24-11M s/n 40933856. Performed ground run and ops check with no discrepancies noted at this time. Reference Cirrus SR22 AMM, Ch. 24-30.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-26763 Date: March 15, 2019.

Signed: Benjamin A. Taylor , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-26792 Date: March 18, 2019.

Signed: Christopher Hendrix , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

INSPECTION RECORD

SO#	19-27055	SILVERHAWK AVIATION INC.			DATE	05/03/19
REG.	N189FG	Lincoln Municipal Airport [LNK]			TACH	659.7
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	

Maintenance Record Airframe

1. Complied with CMX 50 Hour Interval Items (In-Service Inspection 1). Ran aircraft for operational checks. Ran aircraft for post inspection run and leak checks with no discrepancies noted. Reference Cirrus CMX (In-Service Inspection 1) 50 Hour Interval Items and Cirrus SR22 Airplane Maintenance Manual, Chapter 12-10.
2. Ran aircraft with TKS system o. Confirmed "tail low pressure" CAS message. Checked elevator, vertical and horizontal stabilizer TKS panels for full saturation with no discrepancies. Performed low pressure switch test with no discrepancies noted. Ran TKS system for a second time in normal, high and max functions for 10-minute period with no further "tail low pressure" CAS message indication.
3. Removed failed pilot's door foam seal and installed new foam seal P/N 53168-125U. No further discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 52-10.
4. Removed failed co-pilot door foam seal and installed new foam seal P/N 53168-125U. No further discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 52-10.
5. Removed all worn air conditioning drive grommets and bushings and installed 8 new grommets P/N 1133089-4 and 4 new bushings P/N 1133089-2. Ran aircraft for operational check of air conditioner compressor with no discrepancies noted. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 21-50.
6. Removed damaged left exhaust tailpipe P/N 15077-002 and installed new tailpipe P/N 15077-002. No further discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 78-20.
7. Removed failed left exhaust muffler P/N 14836-002 and installed new muffler P/N 14836-002 to left exhaust. No further discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 78-20.
8. Removed left exhaust #4 riser P/N 15073-001 and installed new #4 riser P/N 15073-001 using new gasket P/N 652458. No further discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 78-10.
9. Removed left exhaust collector P/N 20153-002 and installed new collector P/N 20153-002 using 3 new bolts P/N AN3C16. No further discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 78-10.
10. Removed right exhaust collector P/N 20153-002 and installed new P/N20153-002 using 3 new bolts P/N AN3C16. No further discrepancies noted at this time. Reference Cirrus SR22 MM Chapter 78-10.

INSPECTION RECORD

F A B 4211-01 400

SO#	19-27055	SILVERHAWK AVIATION INC.				DATE	05/03/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	659.7
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378		

1. Removed right exhaust #1 riser/to collector P/N 10580-001 and installed new P/N1580-001 using new gasket P/N 872458. No further discrepancies noted at this time. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 78-10.
2. Determined #4-cylinder bottom plug wire to be in serviceable condition. Applied RTV silicon in to prevent further chaffing. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 74-20.
3. Removed #2 alternator cover with broken mount and installed new cover P/N 17547-007. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 24-30.
4. Determined #3 and #5-cylinder lower plug wires to be in serviceable condition. Applied RTV silicon to clamp to prevent further chaffing. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 74-20.
5. Serviced nose strut with 350 psi dry nitrogen. Reference Cirrus SR22 Maintenance Manual, Chapter 12-10.
6. Removed #1 alternator P/N 656802 S/N H-Q050388 and installed new #1 alternator P/N 656802 S/N H-S082350. Reference Continental Standard Practice for Spark Ignited Engines Maintenance Manual (M-0), Chapter 10-4.
7. Removed cracked right baffle from engine. Installed new baffle P/N 15471-007. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 71-00.

certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number 19-27055 Date May 03, 2019.

signed Benjamin A. Taylor  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

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


SO#	19-27159	SILVERHAWK AVIATION INC.			DATE	5/10/2019	
REG.	N189FG	Lincoln Municipal Airport [LNK]			Hobbs	785.6	
MAKE	Cirrus	MODEL	SR 22	SERIAL NO.	4378	Tach	668.5

Maintenance Record

1. Complied with Cirrus Service Bulletin SB2X-42-17 Perspective Software Update v0764.37. Installed Perspective Avionics Software Update v0764.37. Functional testing reveals normal operation. REF: Cirrus Service Bulletin SB2X-42-17 Perspective Software Update v0764.37, Issued: 18 MAR 2019.

The work identified above was repaired and inspected in accordance with current (CFR) Code of Federal Aviation Regulations Title 14 and is approved for return to service as airworthy. Pertinent details of the repair/repairs are on file at this agency under shop order No. 19-27159 Date May 10, 2019

Signed: Christopher J. Hendrix , for
 Silverhawk Aviation Inc. CRS# QSR759U
 Lincoln, NE 68524

13b. Authorized Signature: 

13c. Approval/Authorization No
ODA-100129-CE

13d. Name (Typed or Printed):
RANDY MALCOLM

13e. Date (dd/mmm/yyyy):
14/MAY/2019

User/Installer

It is important to understand that the existence of this document alone does not automatically certify the aircraft. Where the user/installer performs work in accordance with the national regulations of an aircraft in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts the work specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft must be inspected and approved by the user/installer before the aircraft may be flown.

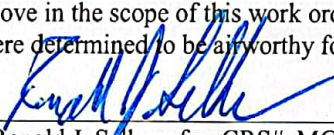
FAA Form 8130-3 (02-14)

DATE	
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REG #	N189FG	Signature TECHNICIAN 3636 Wilbur Plaza, Eppley Airfield Omaha, Nebraska 68110 FAA REPAIR STATION # MGOR426G LOGBOOK INSERT	DATE	15/MAY/2019
MODEL	SR22		W/O	S93-19-00855
SERIAL #	4378		HOBBS	788.4
			AC TT	
			FLIGHT	670.2

- Removed left main wheel Part No. RF006(A), Serial No. 6508. Removed and installed new tire, Part No. 156E06-1, Serial No. OFF: 72562032, Serial No. ON: 90992267. Assembled wheels with new O-ring Part No. 31493-110.
- Removed right main wheel Part No. RF006(A), Serial No. 6514. Removed and installed new tire, Part No. 156E06-1, Serial No. OFF: 72622019, Serial No. ON: 90342103. Assembled wheels with new O-ring Part No. 31493-110.
- Removed and installed new left and right brake pads Part No. PQT-010(A), Lot No. LI-20181106-01. Work accomplished referencing Cirrus maintenance manual chapters 32-41, 12-10 and Beringer 6.00-6" Wheels and Brakes Maintenance Manual MM-ETSO-001 Rev 2.

The Aircraft and/or Component(s) identified above in the scope of this work order were repaired and/or inspected in accordance with current applicable Federal Aviation Regulations and were determined to be airworthy for return to service. Details of the work order are on file at this facility.

DATE 15/MAY/2019 SIGNED 
Ronald J. Selken for CRS# MGOR426G

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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SO#	19-27534	SILVERHAWK AVIATION INC.				DATE	07/11/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	688.5
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	ACTC	812.8

Maintenance Record

1. Installed brake fluid reservoir placard P/N 31490-010. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 11-20.
2. Applied chafe tape PM-T1H to left and right underwing gear areas to prevent further chaffing. No further action taken. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 51-10.
3. Installed new wing root "No Step" placards P/N 12433-001. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 11-20.
4. Complied with 24 month magnetometer calibration. Performed engine ground run and magnetometer calibration procedure with no discrepancies. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 34-20. Next due 24 months or July 2021.
5. Re-bucked loose rivets for upper and lower nose gear fairing brackets. No further action. Reference AC.43-13-1B Chapter 4, Section 4, Paragraph 4-57.
6. Performed minor composite repair to right main landing gear fairing. Applied a two-ply laminate repair to inside of gear fairing over elongated axle screw hole. Fitted fairing and drilled new screw hole. No further action. Reference Cirrus SR22 Airplane Maintenance Manual, Chapters 51-10 and 51-70.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-27534 Date: July 11, 2019.

Signed: Benjamin A. Taylor  for
 Silverhawk Aviation, Inc. CRS# YQSR759U
 Lincoln, NE 68524

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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SO#	19-27479	SILVERHAWK AVIATION INC.				DATE	07/11/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	688.5
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	ACTT	688.5
						HOBBS	812.8

Maintenance Record

1. Complied with Annual Inspection. Post inspection, ran aircraft for leak checks with no leaks noted. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 5-20 and 5-30.
2. Complied with 12 month induction air filter replacement. Removed Brackett air filter element p/n BA-24 and installed new filter P/N BA-24. Reference Brackett Air Filter Document I-194 Inspection Procedures. Next due July 2020.
3. Complied with 12 month fire extinguisher inspection. Fire extinguisher P/N A344 S/N B-65823371 was approved for continued service. Reinstalled extinguisher to aircraft. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 26-20.
4. Complied with 12 month ELT inspection. Operational check of ELT P/N A3-06-2749-1 S/N 251-08145 good. No discrepancies noted at this time. Reference Title 14 CFR Part 91.207 Paragraph/d/ Items 1-4 and Cirrus SR22 Airplane Maintenance Manual, Chapter 25-60. Battery expiration September 2022. Country code 366. Hex ID. 2DC742C53EFFBFF. Next due 12 calendar months.
5. Complied with 100 hour/12 month lubrication schedule reference Cirrus SR22 Maintenance Manual, Chapter 12-20. Next due 100 hours 788.5 ACTT or 12 calendar months.
6. Complied with 200/300/500 hour lubrication schedule reference Cirrus SR22 Maintenance Manual, Chapter 12-20. Next due 200 hours 888.5 ACTT, 300 hours 988.5 ACTT, and 500 hours 1188.5 ACTT.
7. Complied with 500 hour engine weldment torque check inspection. No discrepancies noted. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 71-20. Next inspection due 500 hours time in service or 1188.5 hours tach time.
8. Complied with Cirrus mandatory Service Bulletin SB2X-32-22R2 nose gear strut assembly inspection, dated January 05, 2018. No discrepancies noted at this time. Reference Accomplishment Instructions A-L and Figure 01 in SB2X-32-22R2. Next due 50 hours time in service or 738.5 hours tach time.

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9. Complied with 12 month Beringer Brake ICA and found disc clip worn past limits. Removed right wheel P/N RF-006(A) S/N 6514 and installed new wheel P/N RF-006(A) S/N 10774. Serviced tire with 62psi dry nitrogen. Reference Beringer Brake System Maintenance Manual MM-ETSO-001, Section 5 and Cirrus SR22 Maintenance Manual, Chapter 32-41.
10. Removed cracked baffle below engine crank P/N 15490-003 and installed new baffle below engine crank P/N 15490-003. No discrepancies noted at this. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 71-00.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual inspection as per 14 CFR 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated: July 11, 2019 W.O. 19-27479

Signed: Scotty G. Long  for

Silverhawk Aviation Inc. CRS # YQSR759U
Lincoln, NE 68524

Page 2

SO#	19-27569	SILVERHAWK AVIATION INC.				DATE	08/08/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	727.6
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	ACTC	727.6

Maintenance Record

1. Removed damaged nose strut fairing P/N 26607-001 installed new fairing P/N 26607-001 Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 32-20.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-27569 Date: August 08, 2019.

Signed: Scotty G. Long  for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

9. Complied with 12 month Beringer Brake ICA and found disc clip worn past limits. Removed right wheel P/N RF-006(A) S/N 6514 and installed new wheel P/N RF-006(A) S/N 10774. Serviced tire with 62psi dry nitrogen. Reference Beringer Brake System Maintenance Manual MM-ETSO-001, Section 5 and Cirrus SR22 Maintenance Manual, Chapter 32-41.
10. Removed cracked baffle below engine crank P/N 15490-003 and installed new baffle below engine crank P/N 15490-003. No discrepancies noted at this. Reference Cirrus SR22 Airplane Maintenance Manual, Chapter 71-00.


with an Annual inspection as per 14 CFR 91.409 (a)(1) and was determined to be

SO#	19-27736	SILVERHAWK AVIATION INC.			DATE	08/09/19	
REG.	N189FG	Lincoln Municipal Airport [LNK]			TACH	727.6	
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	HOUR	858.9

Maintenance Record

1. Removed EVS camera for warranty repair. Capped and stored EVS connectors, pulled and secured EVS circuit breaker and sealed EVS installation holes in wing with tape.
2. Removed and replaced nose wheel fairing bracket with new P/N11799-004. Reference Cirrus SR22 AMM, Ch. 32-20.
3. Reinstalled EVS camera Max-VIZ 600. P/N:756500057, S/N:250629, received from MAZ-VIZ Inc. on work order 306448, Dated 09 Sept 2019. Function tested - Good. Reference Cirrus SR22 AMM, Ch. 93-50.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-27736 Date: August 09, 2019.


Signed: Benjamin A. Taylor  , for
 Silverhawk Aviation, Inc. CRS# YQSR759U
 Lincoln, NE 68524

SILVERHAWK AVIATION INC.					DATE	08/12/19
SO#	19-27715	Lincoln Municipal Airport [LNK]			HOUR	858.9
REG.	N189FG	MODEL	SR22	SERIAL NO.	4378	ACTC
MAKE	Cirrus					727.6

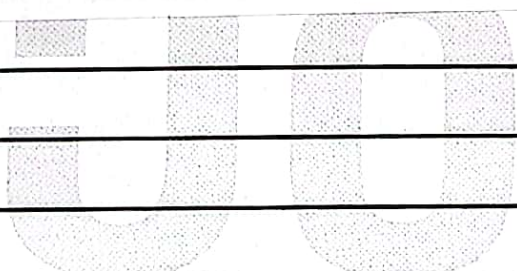
Maintenance Record

1. Inspected inoperative copilot air vent and found rear retaining clip popped out of grooved slot. Removed and re-assembled with no other discrepancies. Reference Cirrus Airplane Maintenance Manual SR22, Chapter 21-20.
2. Corrected twisted co-pilot left seatbelt. No further discrepancies. Reference Cirrus Airplane Maintenance Manual Model SR22, Chapter 25-10.
3. Troubleshoot airframe vibration during take-off when flaps finish retracting. Removed main landing gear fairings and checked main gear wheel tension and torque. Removed nose landing gear fairing and checked nose wheel tensions and torque. No discrepancies noted at this time. Reference Cirrus SR22 Airplane Maintenance Manual, Chapters 32-10 and 32-20.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-27715 Date: August 12, 2019.

Signed: Benjamin A. Taylor  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524



SO#	19-28183	SILVERHAWK AVIATION INC.				DATE	10/24/2019
REG.	N189FG	Lincoln Municipal Airport [LNK]				HOBBS	950.0
MAKE	CIRRUS	MODEL	SR22	SERIAL NO.	4378	ACTT	799.6

Maintenance Record Airframe/Engine/Propeller

1. Removed propeller Hartzell model P/N. PHC-J3Y1F-1N, S/N. NJ1362B. Installed "Overhauled" and tested propeller Hartzell model PHC-J3Y1F-1N, S/N. NJ1775B see FAA form 8130-3 FTN 20481 Palm Beach Aircraft Propeller dated 22/OCT/2019 for details. Performed engine crankshaft run-out and flange dye-penetrant inspection with no discrepancies noted at this time. Performed engine/propeller ground run performance and leak check with no discrepancies noted at this time. Reference the Cirrus SR22 AMM 05-00, 24-00, 61-00, 72-00 and the TCM IO-550 Series Maintenance and Overhaul Manual Section 15-7, Appendix D and TCM Service Bulletin No. 96-11B.
2. Inspected aircraft as required and determined that it is in safe condition for intended one-time ferry flight from KCBF direct KLNK in accordance with Special Flight Permit issued by the Lincoln, Nebraska FAA FSDO on 10/24/2019. All applicable Airworthiness Directives have been complied with. See Silverhawk Aviation, Inc. Shop Order No. 19-28183 for complete details. --- END ---

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-28183 Date: October 24, 2019.

Signed: Scotty G. Long , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

SO#	19-28183	SILVERHAWK AVIATION INC.				DATE	10/28/2019
REG.	N189FG	Lincoln Municipal Airport [LNK]				HOBBS	950.9
MAKE	CIRRUS	MODEL	SR22	SERIAL NO.	4378	ACTT	800.0

Maintenance Record Airframe

1. Removed propeller Hartzell model P/N. PHC-J3Y1F-1N, S/N. NJ1775B to facilitate engine repairs and installation of propeller deice features. **PTT: 151.6, PTSOH: 0.4 hours.**
2. Removed engine for propeller ground strike inspection TCM Model P/N. IO550N68B, S/N. 1032517 reference the Cirrus SR22 AMM 71-00, 72-00.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-28183 Date: October 28, 2019.

Signed: Scotty G. Long , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

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

SO#	19-28183	SILVERHAWK AVIATION INC.				DATE	12/12/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				HOBBS	950.9
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	ACTT	800.0

Maintenance Record Airframe

1. Performed various composite repairs to left wing, lower cowls, and landing gear fairings from propeller striking a runway light. Replaced the left main landing gear fairing with a new fairing P/N 26861-003. Replaced the nose landing gear fairing cap with a new nose landing gear fairing cap P/N 31782-103. Reference the Cirrus SR22 Aircraft Maintenance Manual Chapters 51-00, 51-10, 51-20, 51-30, 51-70, 32-10, and 32-20.
2. Removed the damaged left wing inboard TKS panel P/N 13202-23 S/N E469. Installed a new left wing inboard TKS panel P/N 13202-23 S/N CAV19101050. Temporarily installed a new left wing TKS panel stall strip P/N 13204-14 S/N 110082 with aluminum tape for ferry flight and stall characteristic flight test. Reference the Cirrus SR22 Aircraft Maintenance Manual Chapters 30-10 and 57-20.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-28183 Date: December 12, 2019.

Signed: Benjamin A. Taylor  , for
 Silverhawk Aviation, Inc. CRS# YQSR759U
 Lincoln, NE 68524

SO#	19-28389	SILVERHAWK AVIATION INC.				DATE	12/13/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				HOBBS	950.9
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	ACTT	800.0

Maintenance Record Airframe

1. Installed Airwolf air/oil separator kit p/n AFC-W347-A referencing drawing number AFC-W360 Rev. C dated 24 August 24 20006 under STC SA02268CH. See FAA Form 337 for details.
2. Installed winterization kit p/n 70102-002 referencing Cirrus Service Bulletin SB2X-71-04R5 dated 24 May 2007.
3. Removed and replaced the cracked nose fairing right mounting bracket with a new bracket p/n 11799-004. Reference the Cirrus SR22 AMM Chapter 32-20.
4. Removed torn nose landing gear strut fairing seal. Installed new seal p/n 53361-001U. Reference Cirrus SR22 AMM Chapter 32-20.
5. Removed failing nose gear oleo strut p/n 0346 800 and installed new oleo strut p/n 0346 800. No further discrepancies. Reference Cirrus SR22 AMM Chapter 32-20-00.
6. Installed new forward center baffle p/n 15480-005 referencing Cirrus SR22 AMM Chapter 71-00.
7. Installed new propeller TKS nozzle p/n 13857-001 referencing Cirrus SR22 AMM Chapter 30-60.
8. Removed nose tire and wheel assembly. Removed tire p/n 505T08-1 s/n 605732262. Installed new tire p/n 070-31-0 s/n 7080500140 using new O-ring p/n 31492-108 and reinstalled wheel assembly to aircraft. Reference Beringer Brake Systems Maintenance Manual MM-ETSO-001 Section 5.1.4.
9. Removed broken nose landing gear strut fairing hinge pin and installed new hinge pin p/n 26607-105. Reference Cirrus SR22 AMM Chapter 32-20.
10. Ran aircraft for operational checks and performed modified 50 hour inspection with no discrepancies at this time. Reference Cirrus In-Service Inspection 50 Hour Interval Items and customer requested inspection items.


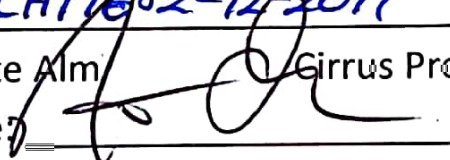
I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-28389 Date: December 13, 2019.

Signed: Benjamin A. Taylor  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

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
		 CIRRUS AIRCRAFT
		Registration#: <u>18976</u> ASN: <u>4378</u> Tach: <u>809.5</u>
		Performed required post maintenance flight test IAW CDC PS 90500/90502/90504 throughout its normal ranges of operation and found satisfactory.
		WO#: <u>DLH19682-12-2019</u>
		Pilot: Nate Alm Cirrus Production Flight Test Pilot
		Signature:  Date: <u>23 Dec 2019</u>

MAKE: Cirrus Design Corp
 MODEL: SR22
 S/N: 4378
 REG. NO: N189FG
 WORK ORDER: DLH19682-12-2019



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
 4961 Airport Road
 Duluth, MN 55811
 Phone: 218-788-3049

DATE: 12/24/2019
 A/C TSN: 803.5
 FLIGHTTIME: 803.5

Airframe Entries

- (1) Installed LH Inboard and Outboard stall strips in previously identified location IAW AMM 20-10, 20-20, & 57-20.

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 the items addressed are deemed serviceable

DATE: 12/24/2019

SIGNED:


 Gerald Mensen
 Certified Repair Station No. YD5R855Y

Work Order: DLH19682-12-2019

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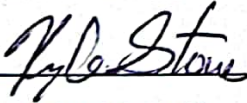
INSPECTION RECORD

SO#	19-28578	SILVERHAWK AVIATION INC.				DATE	12/31/19
REG.	N189FG	Lincoln Municipal Airport [LNK]				HOBBS	959.3
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	ACTT	806.3

Maintenance Record Airframe

1. Trouble shot pilot door top latch eccentric bolt needs adjusted. Found the top latch eccentric bolt to be at its max adjustment, also found the door rubber seal to be missing the foam door seal in various areas. Applied foam seal PN: 51401-063U as required to fill gaps. Functional check satisfactory. Reference the Cirrus SR22 AMM chapter 53-40.
2. Trouble shot copilot door bottom latch eccentric bolt needs adjusted. Found the bottom latch eccentric bolt to be at its max adjustment, also found the door rubber seal to be missing the foam door seal in various areas. Applied foam seal PN: 51401-063U as required to fill gaps. Functional check satisfactory. Reference the Cirrus SR22 AMM chapter 53-40.
3. Applied paint to all exposed composite on aircraft. Reference Cirrus SR22 airplane maintenance manual.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 19-28578 Date: December 31, 2019.

Signed: Kyle Stone  _____, for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

SO#	20-29403	SILVERHAWK AVIATION INC.				DATE	06/11/2020
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	892.5
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378		

Maintenance Record Airframe

1. Inspected alternator for intermittent operation. Found field terminal wire crimp failing and power terminal nearly broken. Removed brushes for inspection with no discrepancies. Installed new power terminal 42125 and repaired field terminal. Reinstalled alternator and set belt tension. Ran aircraft for operational checks with no discrepancies. Reference Cirrus SR22 Airplane maintenance manual chapter 24-30.
2. Ran aircraft after alternator wire terminal repairs and monitored Comm 1 and Comm 2 with no further discrepancies. Reference Cirrus SR22 airplane maintenance manual chapter 23-10.
3. Inspected Copilot door seal for leaks and found door seal to be positioned incorrectly. Repositioned door seal with no further discrepancies. Reference Cirrus SR22 airplane maintenance manual chapter 52-10.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 20-29403 Date: June 11, 2020

Signed: Benjamin A. Taylor  for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

SO#	20-29457	SILVERHAWK AVIATION INC.				DATE	07/07/2020
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	900.5
MAKE	CIRRUS	MODEL	SR22	SERIAL NO.	4378	ACTT	900.5
						HOBBS	1081.5

Maintenance Record Airframe

1. Complied with Annual Inspection referencing Cirrus SR22 AMM Chapter 05-20 and 05-30.
2. Completed 12-month battery capacity test with battery passing at 115% referencing Concorde CMM Chapter 24-30-71. Next due in 12 calendar months.
3. Complied with the 12 Month ELT inspection of p/n A3-06-2749-1 s/n 251-08145 with no discrepancies noted at this time. Reference title 14 CFR Part 91.207 Paragraph (d) Items 1-4 and Cirrus SR22 AMM Ch. 25-60. Next due 12 calendar months. Battery Replacement due September 2022.
4. Complied with 12-month induction air filter replacement by installing new part number BA-24 referencing SR22 AMM Chapter 71-60. Next due in 12 calendar months.
5. Completed 100-hour lube referencing Cirrus SR22 AMM Chapter 12-20. Next due in 100 hours at 1000.5 ACTT or 12 calendar months, whichever occurs first.
6. Complied with 12-month Beringer brakes and wheels ICA referencing Document MM-ETSO-001. Next due in 12 calendar months.
7. Troubleshoot oil leak/burn. Found #1-cylinder low compression with all other cylinders with excess oil in barrels. See squawk engine log for #1-cylinder replacement. Performed ground break-in run referencing CMI M-0 Standard Practices Manual Chapter 7.
8. Troubleshoot alternator #2 fail to broken ring terminal for field wire. Installed new terminal referencing SR22 AMM Chapter 24-30 with operational check good.
9. Complied with 12-month fire extinguisher inspection referencing SR22 AMM Chapter 26-20. Next due in 12 calendar months.
10. Removed worn left main tire PN: 156E06-1 SN: 90992267 and installed a new tire PN: 156E06-1 SN 00670290 with a new oring PN: 31493-110. Serviced tire with dry nitrogen as required to obtain proper tire pressure. Leak check good. Reference the Beringer Wheels and Brakes MM-ETSO-001 chapter 5-1 and the Cirrus SR22 AMM chapters 32-41 and 12-10.
11. Removed worn right main tire PN: 156E06-1 SN: 90342103 and installed a new tire PN: 156E06-1 SN 00660100 with a new oring PN: 31493-110. Serviced tire with dry nitrogen as required to obtain proper tire pressure. Leak check good. Reference the Beringer Wheels and Brakes MM-ETSO-001 chapter 5-1 and the Cirrus SR22 AMM chapters 32-41 and 12-10.
12. Removed right muffler with distorted flame cone. Installed new muffler p/n 21892-002. Reference Cirrus SR22 AMM chapter 78-20.

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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SO#	20-29457	SILVERHAWK AVIATION INC.				DATE	07/07/2020
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	900.5
MAKE	CIRRUS	MODEL	SR22	SERIAL NO.	4378	ACTT	900.5
						HOBBS	1081.5

13. Installed washers part number AN960-10 as required to bolt for #4 to #6 intercylinder baffle to eliminate shanking out referencing CMI M-0 Standard Practices Manual Chapter 10.
14. Removed and replaced the worn brake linings with 4 new brake linings PN: 31392-105. Functional check satisfactory. Reference the Beringer Wheels and Brakes MM-ETSO-001 section 5.2.
15. Removed and replaced the grooved/coned right brake disc with a new brake disc PN: 31392-108. Functional check satisfactory. Reference the Beringer Wheels and Brakes MM-ETSO-001 section 5.2.
16. Installed new screws part number 51969-001 for park brake handle referencing SR22 AMM Chapter 32-42.
17. Applied RTV to alternate air duct to prevent further chafing with cowl referencing SR22 AMM Chapter 71-10.
18. Installed new left aft fuselage plug part number 50498-200 referencing SR22 AMM Chapter 53-30.
19. Replaced o-ring on TKS fitting in vertical stabilizer with new part number 15164-092B referencing Cirrus SR22 AMM Chapter 30-07.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual inspection as per 14 CFR 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated: July 07, 2020 W.O. 20-29457

Signed: Eugene Luce  for

Silverhawk Aviation Inc. CRS # YQSR759U
Lincoln, NE 68524

SO#	20-30031	SILVERHAWK AVIATION INC.				DATE	10/19/2020
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	949.9
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	HOBBS	1143.4

Maintenance Record Airframe

1. Removed old grommets from air conditioner. Installed 8 new grommets P/N 1133089-4. Ran air condition system for operational check. No problems found. Reference Cirrus SR22 airplane maintenance manual chapter 21-50.
2. Removed failed nose gear fairing seal and installed new seal (P/N 53361-001 using DP420 adhesive. Reference Cirrus SR22 Airplane Maintenance Manual Chapter 32-20.
3. Removed worn left and right exhaust collector bolts. Installed new bolts P/N AN4C35) Reference Cirrus SR22 Airplane Maintenance Manual Chapter 78-10.
4. Troubleshoot wheel by looking for leaks. Found O-ring seal to be faulty. Removed old O-ring and installed new O-ring P/N 31493-110. Reinstalled wheel to aircraft. Reference Beringer Brake Systems maintenance manual number MM-ETSO-001, Revision 2, section 5.1.3

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 20-30031 Date: October 19, 2020

Signed: Benjamin Taylor  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

INSPECTION RECORD

SO#	21-31094	SILVERHAWK AVIATION INC.				DATE	04/29/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	987.1
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378		

Maintenance Record

1. Troubleshoot popped #2 alternator circuit breaker and found the rear bearing failing on the alternator. Replaced Alt #2 with new P/N 657199. Performed functional check and was satisfactory. Reference Cirrus SR22 AMM Chapter 24-30.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 21-31094 Date: April 29, 2021.

Signed: Benjamin Taylor  , for

Silverhawk Aviation, Inc. CRS# YQSR759U
Lincoln, NE 68524

INSPECTION RECORD

SO#	21-31634	Silverhawk Aviation				DATE	08/12/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]				ACTT	987.8
MAKE	Cirrus	MODEL	SR22			TACH	987.7
		SERIAL NO.	4378			HOBBS	1192.4

Maintenance Airframe Record

1. Complied with Annual Inspection compression check MO = 46 Cyl# 1 66/80, Cyl# 2 60/80, Cyl# 3 63/80, Cyl# 4 66/80, Cyl# 5 56/80 and Cyl# 6 60/80. Ran engine and drain oil and removed oil filter, cut oil filter open, and inspected with no discrepancies found at this time. Replaced oil filter with new P/N CH48108-1 and 7qts of X/C 20w-50 oil. Removed spark plugs and clean, inspected and serviced and reinstalled. Ran engine for leak checks none noted at this time. Reference Cirrus SR22 AMM Chapter 05-20 and 05-30 and Continental standard practice maintenance manual chapter 6-4.8.2, 6-4.11.2, 6-4.9.2.
2. Complied with 12 month battery capacity check. Battery P/N RG24-11M S/N 40933856 failed first two tests at 65% and 76%. Performed conditioning charge and performed third test with a pass at 105%. Reinstalled battery to aircraft. Reference Cirrus SR22 airplane maintenance manual chapter 24-30 and Concorde RG series main aircraft battery component maintenance manual #5-0171.
3. Complied with 12 month fire extinguisher inspection. Fire extinguisher P/N A344 S/N B-65823371 was approved for continued use. Reference Cirrus SR22 airplane maintenance manual chapter 26-20-00.
4. Completed the 12 month ELT inspection of ELT P/N ELT1000 S/N 257-88145, Hex ID 2DC74 2C53E FFBFF, battery expiration date Sep 2022. Reference Title 14 CFR part 91.207 paragraph (d), items 1-4 and Cirrus SR22 Maintenance Manual CH25-60. Functional check satisfactory. Next inspection due Aug 2022.
5. Complied with 12 month Beringer brake inspection. No discrepancies noted at this time. Reference Beringer maintenance manual MM-ETSO-001 chapter 3.
6. Complied with 100 hours lubrication. Reference Cirrus SR22 maintenance manual chapter 12-20.
7. SB2X-32-22R4 50 hour nose gear strut assembly rescinded per SA19-02. Reference Cirrus SA19-02 service bulletin.
8. Complied with 200 hour cabin heat mixing valve inspection. No discrepancies noted at this time. Reference Cirrus SR22 airplane maintenance manual chapter 21-60.
9. Complied with 200 hour lubrication. Reference Cirrus SR22 maintenance manual chapter 12-20 next due 1392.1 hours.

INSPECTION RECORD

SO#	21-31634	Silverhawk Aviation				DATE	08/12/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]				ACTT	987.8
MAKE	Cirrus	MODEL	SR22			TACH	987.7
		SERIAL NO.	4378			HOBBS	1192.4

10. Complied with 300 hour/12 month wing fitting hardware inspection. No discrepancies noted at this time. Reference Cirrus SR22 airplane maintenance manual chapter 5-20.
11. Complied with 300 hour lubrication. Reference Cirrus SR22 maintenance manual chapter 12-20 next due 1492.1 hours.
12. Complied with 60 month lubrication. Reference Cirrus SR22 maintenance manual chapter 12-20 next due August 2026.
13. Complied with 1000 hour/120 month electrical bonding and shielding inspection. No discrepancies noted. Reference Cirrus SR22 airplane maintenance manual chapter 51-80. Next due 1000 hours or August 2031.
14. Removed and replaced leaking Induction System Drain Tube Assembly with a new tube assembly P/N: 6587852. Reference the Continental Aerospace Technologies Standard Practice Maintenance Manual Chapter 6-4.20.
15. Removed TKS nut, olive and o-ring and replaced with new P/N15164-002, 15164-022, 15164-092B. Operational check satisfactory no leaks noted. Reference Cirrus SR22 maintenance manual chapter 20-80 and Cirrus SB2X-30-08.
16. Removed worn right brake linings. Installed 2 new brake linings P/N PQT-101(A). Reference Beringer Maintenance Manual Chapter 5.
17. Inspected throttle in cockpit found no discrepancies. Cleaned, lubricated, inspected cable rod ends at throttle and propeller and found that they were dirty. Cleaned and lubricated rod ends. Operational check was satisfactory. Reference Cirrus SR22 maintenance manual chapter 76-10 and 12-20.
18. Installed new heat tape P/N 53294-002 to left lower cowl. Reference Cirrus SR22 airplane maintenance manual chapter 71-10.
19. Complied with 200/12 Month BA24 Air Filter Replacement Schedule. Removed air filter P/N: BA-24 from engine. Installed a new filter P/N: BA-24. Reference the Brackett Air Filter Document I-194 and the Cirrus SR22 Airplane Maintenance Manual Chapter 71-60.

INSPECTION RECORD

F A R 43 11 -01 400

SO#	21-31634	Silverhawk Aviation			DATE	08/12/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]			ACTT	987.8
MAKE	Cirrus	MODEL	SR22		TACH	987.7
		SERIAL NO.	4378		HOBBS	1192.4

20. Removed old #2 batteries and installed 2 new batteries P/N 50979-001. Reference Cirrus SR22 Airplane Maintenance Manual CH24-30. Functional check satisfactory. Next due 1487.8 ACTT or August 2023.
21. Removed inoperative electric fuel pump P/N 5217-00-9 S/N 7694 and replaced with repaired P/N A18050-2B8 S/N 219413. Operational check was satisfactory and no leaks at this time. Repair done by Weldon pump certificate number 2WPR261B form tracking number RMA# 3362-1 LINE:1 workorder number 73030 dated July 06/2021. Reference Cirrus SR22 maintenance manual chapter 28-20.
22. Ran aircraft and adjusted idle speed and mixture settings. Reference Continental motors standard practices maintenance manual #M-O chapter 6-4.10.2.1.
23. Cleaned engine for oil leak diagnosing. Ran aircraft for leak check. Found minor leaks at case halves. Customer elects to take as is no further action. Reference Continental motors standard practices maintenance manual #M-O chapter 6-4.8.3.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with a/an Annual inspection as per 14 CFR part 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated August 12, 2021 W.O. 21-31634 Signed Benjamin Taylor

Silverhawk Aviation CRS # YQSR759U
Lincoln, NE 68524

INSPECTION RECORD

F.A.R. 43.11-91.409

KIND OF INSPECTION-STATUS & DISCREPANCY LIST

SO#	21-31733	Silverhawk Aviation				DATE	08/12/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	987.8
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	HOBBS	1192.4
						ACTT	987.8

Maintenance Record

1. Performed minor repair to left main gear cowling cowl. Reference Cirrus SR22 airplane maintenance manual chapter 51-10.
2. Performed minor repair to bottom right engine cowl. Reference Cirrus SR22 airplane maintenance manual chapter 51-10.
3. Removed entry steps and grab handles for powdercoating. Reinstalled entry steps and handles after powdercoating. Reference Cirrus SR22 maintenance manual chapter 53-20.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 21-31733 Date: August 12, 2021.

Signed: Benjamin Taylor  for

Silverhawk Aviation CRS# YQSR759U
Lincoln, NE 68524

INSPECTION RECORD

SO#	21-31760	Silverhawk Aviation				DATE	08/13/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	988.2
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	HOBBS	1193.4
						ACTT	988.2

Maintenance Record

1. Performed 24 Month GMU44 magnetometer calibration Ref Cirrus SR22 AMM Ch. 34-20 Sec H.3.
2. Performed GRS77 test ref Garmin Cirrus Perspective Line Maintenance Manual section 7.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 21-31760 Date: August 13, 2021.

Signed: Kevin J. Owen  , for

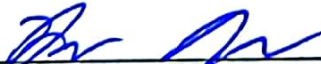
Silverhawk Aviation CRS# YQSR759U
Lincoln, NE 68524

SO#	21-31733	Silverhawk Aviation				DATE	08/20/2021
REG.	N189FG	Lincoln Municipal Airport [LNK]				TACH	987.8
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	HOBBS	1192.4
						ACTT	987.8

Maintenance Record

1. Performed minor repair to left main gear cowling cowl. Reference Cirrus SR22 airplane maintenance manual chapter 51-10.
2. Performed minor repair to bottom right engine cowl. Reference Cirrus SR22 airplane maintenance manual chapter 51-10.
3. Complied with left magneto 500 hour magneto inspection referencing Continental S20 Service Support Manual Section 6, found distributor gear worn. Removed worn gear and installed new gear using kit 10-357586A. Re-installed magneto with gasket P/N 649954 referencing Cirrus SR22 Airplane Maintenance Manual CH74-10. Ran aircraft for operational check with no discrepancies. Next due 1487.8 ACTT.
4. Complied with right magneto 500 hour magneto inspection referencing Continental S20 Service Support Manual Section 6. Found distributor gear worn. Removed worn gear and installed new gear using kit 10-357586A Ran aircraft for operational check with no discrepancies noted. Re-installed magneto with gasket P/N 649954 referencing Cirrus SR22 Airplane Maintenance Manual CH74-10. Next due 1487.8 ACTT.
5. Removed entry steps and grab handles for powdercoating. Reinstalled entry steps and handles after powdercoating. Reference Cirrus SR22 maintenance manual chapter 53-20.
6. Installed leading edge erosion tape kit part number FAK-009/G3 referencing supplied instructions. Installed new landing light lens part number 17298-001 referencing Cirrus SR22 AMM Chapter 33-40.
7. Lubricated cabin door latches referencing SR22 AMM Chapter 12-20.
8. Ran aircraft and functioned check against SR22 MM Ch 24-30 Page 2, there is an electrical drop off with CAS message below 1200 RPM with the AC system operating, no drop off below 1200 RPM and no CAS message with AC not operating. System function checks normal.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 21-31733 Date: August 20, 2021.

Signed: Benjamin Taylor  _____, for

Silverhawk Aviation CRS# YQSR759U
Lincoln, NE 68524

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

Date: 12/31/21

N: 189FG

Make: Cirrus SR22

S/N: 4378

Eng. Hrs.: 1041.1

Flt. Hrs.: 1040.6

Hobbs: 1258.3

Jacked aircraft, removed LH & RH MLG wheel fairings & wheel assemblies. Removed & replaced all brake linings with new P/N PQT-010. Reinstalled wheel assemblies, fairings & removed aircraft from jacks. Lining replacement accomplished referencing Beringer Maintenance Working Card MM-01-003 Aircraft returned to service for the work performed. W.O. 21-130 - END -

Daniel L. Ingram A&P3014106

Holdrege Aviation, LLC.

1320 Brewster Road Holdrege NE 68949



Daniel L. Ingram

SO#	22-32974	Silverhawk Aviation				DATE	04/14/2022
REG.	N189FG	Lincoln Municipal Airport [LNK]				ACTT	1047.1
MAKE	TCM	MODEL	IO-550-N	SERIAL NO.	1032517	FLIGHT	1047.1
						HOBBS	1266.6

Maintenance Record

1. Troubleshoot alternator #1 indication to failed alternator. Removed inoperative alternate #1 P/N ES-10024 S/N H-W012466, performed clutch drag check, and replaced with new P/N ES-10024 S/N H-W023532. Ran aircraft for operational check, and leak check. Operational check was satisfactory and no leaks at this time. Reference Continental standard practice maintenance manual M-0 chapter 10 section 4.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 22-32974 Date: April 14, 2022.

Signed: Benjamin Taylor *Ben Taylor*, for

Silverhawk Aviation CRS# YQSR759U
Lincoln, NE 68524

SO#	22-32975	Silverhawk Aviation				DATE	04/14/2022
REG.	N189FG	Lincoln Municipal Airport [LNK]				ACTT	1047.1
MAKE	Cirrus	MODEL	SR22	SERIAL NO.	4378	FLIGHT	1047.1
						HOBBS	1266.6

Maintenance Record

1. Removed expired reefing line cutters (P/N 26707-002 S/Ns 2098 and 2057) and installed new reefing line cutters (P/N 26707-002 S/Ns 7637 and 7584 mfg codes 60880) with manufacture dates of February 2022. Reefing line cutters next due replacement February 2028. Reference Cirrus SR22 CAPS CMM Chapter 95-01-01.

I certify this maintenance was inspected and is determined to be in an airworthy condition. Pertinent details are on file under the noted shop order number: 22-32975 Date: April 14, 2022.

Signed: Benjamin Taylor  _____, for

Silverhawk Aviation CRS# YQSR759U
Lincoln, NE 68524