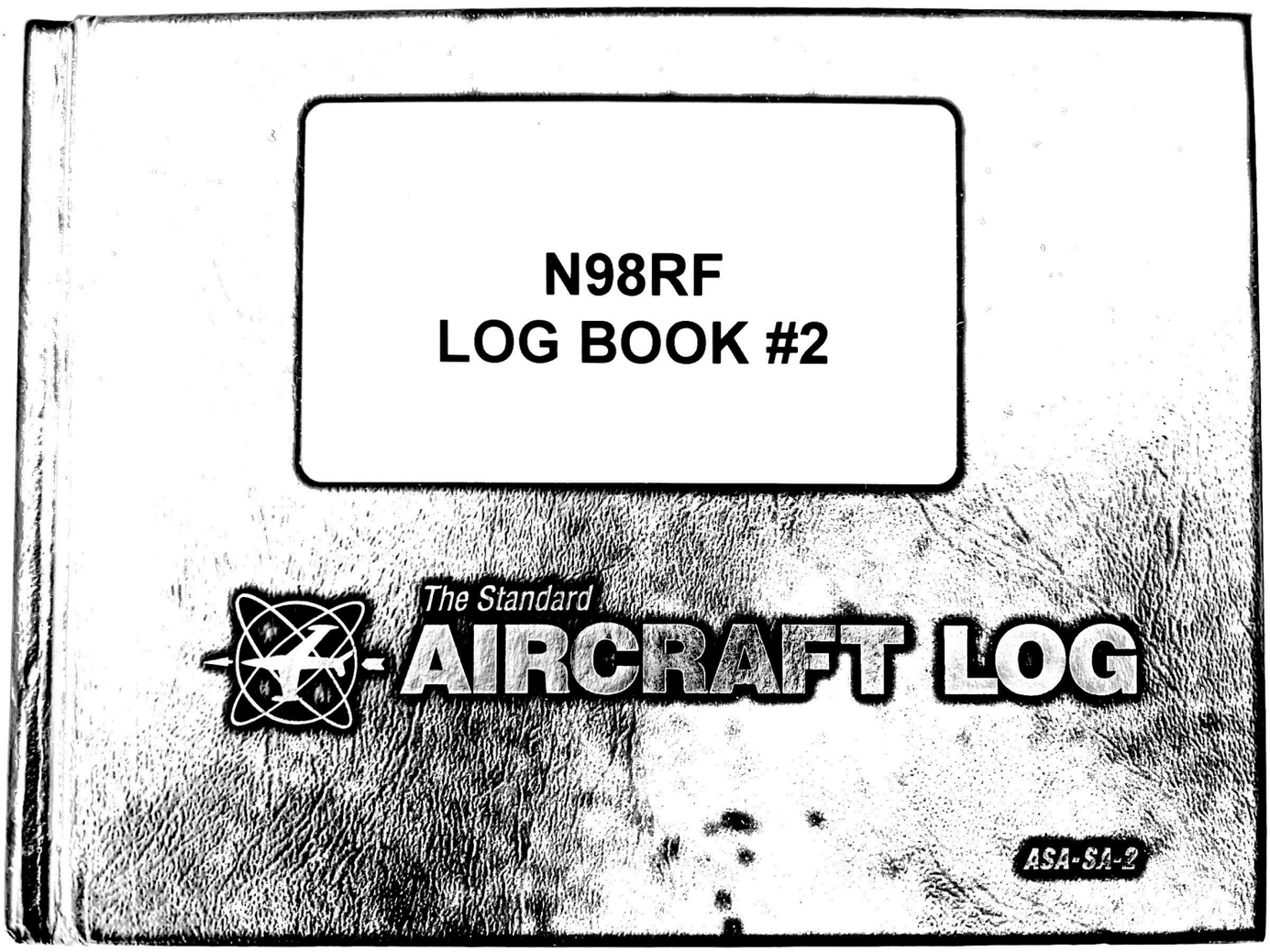
N98RF
LOG BOOK #2



Aircraft Record General Information

Manufacturer Cirrus **Model** SR22

Serial 0520 **Registration Number** N98RF

Date of Manufacture 5/2003

Engine(s) currently installed:

Manufacturer Continental **Model** IO550N7B **Serial** 686877

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

Propeller(s) currently installed:

Manufacturer Hartzell **Model** PHC-J3YFYRF

HUB Model _____ **Serial** FP2184B **Serial** _____

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

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

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

Date: 7/15/2015; Aircraft: N98RF; Type: CIRRUS SR22; S/N: 0520; Hobbs: 216.0; Total Time: 1296.2; Engine - Type: IO-550-N7, S/N: 687877, Time: 1296.2; Prop - Type: PHC-J3YF-1RF, S/N: FP2184B, Time: 1296.2
Hobbs: 1371.4 Flight Hobbs: 216.0
Airframe Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.
Complied with SB 2X-32-19R3 Nose Landing Gear Assembly Inspection and Reinforcement by visual inspection of NLG assembly, no defects noted. Next due 1396.2 ACTT. Complied with Cirrus SA15-03 (4/23/15) Regarding H3R ASB 2015-01 Inspection Procedures for Disposable Halon Blend Fire Extinguishers, no defects noted.

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 07/31/2016. ELT battery due 12/2020. Replaced induction filter BA-24 with new. Replaced ELT battery cover p/n E0103 with new. Repaired left fuel electrical connector under floor. Repositioned left and right wing sender unit floats and re-calibrated both fuel gauges.

Replaced nose landing gear pucks p/n 13386-001 with new and bumper assembly p/n 18380-001 with new. Replaced left wheel inboard bearing cone p/n 13889 and cup p/n 13836 with new. Replaced left landing gear forward fairing mount p/n 17205-001. Installed new left main gear leg fairing attachment mounting base p/n 50741-005. Performed helicoil repair to right side tow lug. Replaced lower cowl chafe tape sections as needed. Replaced lower cowl protective heat tape as needed. Replaced left flap anti-chafe tape with new. Installed missing aft seats mounting hardware. Resealed antennas on top of fuselage as needed.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Patrick Higgins
A&P 3624624 IA

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

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

YEAR 20___ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
				Date: 7/15/2015; Aircraft: N98RF; Type: CIRRUS SR22; S/N: 0520; Hobbs: 216.0; Total Time: 1296.2; Engine - Type: IO-550-N7, S/N: 687877, Time: 1296.2; Prop - Type: PHC-J3YF-1RF, S/N: FP2184B, Time: 1296.2 Hobbs: 1371.4 Flight Hobbs: 216.0 ***Airframe CAPS Work*** Replaced CAPS system reef line cutters with new kit p/n 25347-002. Line cutters p/n 26707-001, s/n 8248 and 8349, Lot # 1 RRL 0415 and MFG date 04/15. Next Due: 4/2021. Bobby Wangler A&P 2702325 IA Bobby Wangler A&P 2702325

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AR / TE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterati** Entries must be endorsed with Name, Rating and Certificate Numbe Technician or Repair Facility. (*See* back pages for other specific ent

N# 98RF

Riegelman Aviation Co.,LLC
Ph. (715) 686-7523 Cell (262) 994-6706
FAA CRS # RN7R687Y

DISCREPANCY MODE 'C' ALTITUDE OUTPUT INOP.

CORRECTIVE ACTION REPLACED BLIND ENCODER ACK-A30 S/N: 134480 TEST OKAY.

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

SIGNED Mark R Reg DATE 2-24-16 W.O.# 2056

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

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Mobile service to fit any schedule

FAA CRS # RN7R687Y

N # 98RF

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20/70	25	30/70	30/70	35	/70	40	60	80/60	90	100	/90	110
ACTUAL / FRICTION	+5	0	+5	+5/0	+10	+10/0	+10/0	+15	0	+15	+15	+15/0	+20	+20	0	+20
TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)						
TOL. ± FT.	120	130/100	140	155/120	180/140	205/160	230/180	255	280/250	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL / FRICTION	+20	+10/0	X	X	X	X	X	X	X	-7	0	-3	-2	0	-1	-3	+6

HYSTERESIS (TOL. ± 75 FT.): 50% MAX. +5 | 40% MAX. +5 | AFTER EFFECT (TOL. 30 FT.): OK | CASE LEAK: OK

ALTIMETER MAKE: AVIONYE
MODEL EXP 5000
S/N 20100104

BLIND ENCODER MAKE: ACK
MODEL A-30
S/N 97173

TRANSPONDER MAKE: GARMIN
MODEL GTX 327
S/N 83713033

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20,000 FT. TO COMPLY WITH FAR 91.411
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 2-24-16 Tach/Hobb: 1396.2 W.O. 2056 Signed

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

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FAA CRS # RN7R687Y

N # 98RF

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20 / 70	25	30 / 70	30 / 70	35	70	40	60	80 / 80	90	100	90	110
ACTUAL / FRICTION	+5	+5	+5	+10 / 30	+10	+10 / 30	+10 / 30	+10	30	+10	+10	+20 / 40	+20	+30	40	+50

TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)							
TOL. ± FT.	120	130 / 100	140	155 / 120	180 / 140	205 / 160	230 / 180	255	280 / 250	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL / FRICTION	+100	+70 / 60								-10	-15	-3	-2	0	+10	+12	+6

HYSTERESIS (TOL. ± 75 FT.): 50% MAX. +10 40% MAX. +15 AFTER EFFECT (TOL. 30 FT.): OK CASE LEAK: OK

ALTIMETER MAKE: UNITEK
MODEL 5934D-3
S/N 430272

BLIND ENCODER MAKE: ACK
MODEL A-30
S/N 97173

TRANSPONDER MAKE: GARMIN
MODEL GTX 327
S/N 83713033

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20,000 FT. TO COMPLY WITH FAR 91.411
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 2-24-16 Tach/Hobb: 1396.2 W.O. 2056 Signed [signature]

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ntries.)

YEAR 20___ DATE	RECORD TACH TIME

nformity to:

sign data and are in a

14a ✓ 14 CFR 43.9 Return to Service

Certifies that unless otherwise specified in Blo
described in Block 12 was accomplished in acc
Regulations, part 43 and in respect to that wor
service.

pproval/Authorization No.:

14b. Authorized Signature:

ite (dd/mmm/yyyy):

14d. Name (Typed or Printed):

Raymond A Mielke

User/Installer Responsibilities

lone does not automatically constitute authority to install the aircraft engine/prope
itional regulations of an airworthiness authority different than the airworthiness a
hiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthi

rtification. In all cases, aircraft maintenance records must contain an installation c
e flown.

ts, Repairs and Alterations

ating and Certificate Number of
pages for other specific entries.)

#1 GNS430 Battery + Fan replacement

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

Date: 9/01/2016; Aircraft: N98RF; Type: CIRRUS SR22; S/N: 0520; Hobbs: 261.3; Total Time: 1341.5; Engine - Type: IO-550-N7, S/N: 687877, Time: 1341.5; Prop - Type: PHC-J3YF-1RF, S/N: FP2184B, Time: 1341.5 Hobbs Time 1426.6, Flight Hobbs 261.3

Airframe Work

Completed an Annual inspection in accordance with FAR 43, Appendix D. Completed SB 2X-32-19R3 Cirrus SB 2X-32-19R3 (6/28/12) Nose Landing Gear Assembly Inspection and Reinforcement, no defects noted. Complied wtih Instructions for Continued Airworthiness for the Precise Flight Oxygen System, no defect

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due 9/2017. ELT battery due 12/31/2020. Replaced air filter p/n BA-24 with new. Replaced #2 batteries p/n 50979-001 with new. Inspected and weighed cabin fire extinguisher, no defects noted.

Replaced left gear strut fairing nut base p/n 50741-005 with new. Replaced left gear to wing well nut p/n 50802-001 with new. Replaced rear seat clip p/n 51170-001 with new. Replaced nose fork spring washers p/n 50750-101 with new. Replaced landing light isolators p/n 14502-003 with new. Replaced left flap anti-chaff tape p/n 8672 with new. Applied No Step placard to left flap. Resealed VOR antenna. Rebuilt both fuel caps with kit p/n 300. Changed o-rings in right brake caliper p/n M83461/1-222, temp indicator stickers p/n 51698-001 and 51698-003 with new. Resealed left lower wing root area.

Performed ground run, operational, and leak checks - no defects noted. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Bobby Wangler
A&P 2702325 IA

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YEAR 2017 DATE 3/3	TACH TIME	FLIGHT	TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (*See* back pages for other specific entries.)
				Replaced batt #1 at Lakeland Aviation

Date: 9/18/2017; Aircraft: N98RF; Type: CIRRUS SR22; S/N: 0520; Hobbs: 295.4; Total Time: 1375.6; Engine - Type: IO-550-N7, S/N: 687877, Time: 1375.6; Prop - Type: PHC-J3YF-1RF, S/N: FP2184B, Time: 1375.6
Airframe Work
Completed an Annual inspection in accordance with FAR 43, Appendix D.
AD 17-04-06 Instruments - Erroneous Display due to slow diaphragm leak. N/A by serial number of altimeter. Complied with Cirrus SB 2X-32-19R3 (6/28/12) Nose Landing Gear Assembly Inspection and Reinforcement, no defects noted. Complied with Cirrus SB 2X-28-12R1 (8/19/15) Electric Fuel Pump Inspection by functional test inserted Temporary Revision 15-27, no defects noted. Replaced both left and right brake calipers o-rings p/n M83461/1-222 with new. Replaced blue over temp stickers p/n 51698-001 with new. Replaced yellow over temp stickers p/n 51698-003 with new. Bled brakes, operationally checked good.
Inspected and weighed cabin fire extinguisher, no defects noted. Replaced ELT battery with new p/n MN1300. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next due 09/2018. ELT battery due 03/2027. Replaced left nav lens retainer p/n 50988-001 with new. Replaced left strobe lamp assembly p/n 36-0050705-00 with new. Replaced button on right rear reading light switch. Replaced right nav lamp p/n T7512 -24 with new. Replaced landing light assembly Isolator mounts p/n 14502-003 with new. Replaced damaged upper gear fairing well nuts p/n 50803-001 as needed. Reinstalled left main gear clip bond. Next replacement due date 03/2027. Performed ground run, operational, and leak checks - no defects noted. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
Dan Stammen
A&P 2636878 IA

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

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FAA CRS # RN7R687Y

N # 98RF

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20 / 70	25	30 / 70	30 / 70	35	70	40	60	80 / 80	90	100	90	110
ACTUAL / FRICTION	+5	+5	+5	+5 / 0	+5	-5 / 0	-5 / 0	-10	0	-10	-15	-30 / 0	-20	-20	0	-30

TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)							
TOL. ± FT.	120	130 / 100	140	155 / 120	180 / 140	205 / 160	230 / 180	255	280 / 250	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL / FRICTION	-30	-35 / 0								-7	-5	-3	-2	0	-3	-3	-4

HYSTERESIS (TOL. ± 75 FT.): 50% MAX. Ø 40% MAX. Ø

AFTER EFFECT (TOL. 30 FT.): OK

CASE LEAK: OK

ALTIMETER MAKE: AVIDYNE
MODEL EXP5000
S/N 20100107

BLIND ENCODER MAKE: ACK
MODEL A-30
S/N 134480

TRANSPONDER MAKE: GARMIN
MODEL GTX 327
S/N 83713033

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 20,000 FT. TO COMPLY WITH FAR 91.411
CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date 5-2-18 ~~Tach~~/Hobb: 1476.2 W.O. 2278 Signed Mark A Ryd

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

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FAA CRS # RN7R687Y

N # 98RF

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. x 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16
TOL. ± FT.	20	20	20	20 / 70	25	30 / 70	30 / 70	35	70	40	60	80 / 80	90	100	90	110
ACTUAL / FRICTION	+5	0	+5	+5 / +20	+5	+5 / -30	-5 / -30	-10	-30	-15	-25	-30 / -40	-40	-30	-40	-60

TEST ALT. x 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)							
TOL. ± FT.	120	130 / 100	140	155 / 120	180 / 140	205 / 160	230 / 180	255	280 / 250	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL / FRICTION	-80	-90 / -40								+3	-18	+7	-12	0	+18	+10	+6

HYSTERESIS (TOL. ± 75 FT.): 50% MAX. +10 | 40% MAX. +10 | AFTER EFFECT (TOL. 30 FT.): OK | CASE LEAK: OK

ALTIMETER MAKE: UNITED
MODEL 5934D-3
S/N 430272

BLIND ENCODER MAKE: ACK
MODEL A-30
S/N 134480

TRANSPONDER MAKE: GARMIN
MODEL GTX 327
S/N 83713033

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CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 5-2-18 ~~Tach~~/Hobb: 1476.2 W.O. 2278 Signed [signature]

Date: 9/24/2018; Aircraft: N98RF; Type: CIRRUS SR22; S/N: 0520; Hobbs: 317.1; Total Time: 1397.3; Engine - Type: IO-550-N7, S/N: 687877, Time: 1397.3; Prop - Type: PHC-J3YF-1RF, S/N: FP2184B, Time: 1397.3

Airframe

Completed an Annual inspection in accordance with FAR 43, Appendix D. Complied with Instructions for continued airworthiness for Precise Flight Portable Oxygen System 50 hour items, no defects noted. Complied with Cirrus SB 2X-32-19R3 (6/28/12) Nose Landing Gear Assembly Inspection and Reinforcement, no defects noted, large reinforcement bolt previously installed. Inspected and tested ELT in accordance with FAR 91.207 (d), no defects noted. Next due 9/2019. ELT battery due 3/2027. Completed cabin fire extinguisher weight check, no defects noted. Replaced #2 batteries p/n 50979-001 with new. Date code 9/2018. Next due 817.1 or 9/2020. Replaced left and right tailpipes with ceramic pipes from Dawley. Replaced left strobe p/n 36-0050705-00 with new. Replaced two landing light rubber vibration mounts p/n 14502-003 with new. Replaced right brake linings p/n 066-10500 with new. Replaced induction air filter p/n BA-24 with new. I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Benjamin J. Pitterle
A&P390747277 IA

Benjamin J. Pitterle IA#390747277

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