

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

airframe

Company: Steel Aviation
 Make/Model: Cirrus – SR22
 Tail #: N828LE
 Serial #: 3178

Biweekly Number: 2023-20
 TACH: 1900.9 HOBBS
 A/C Cert. Date: AUGUST 12, 2008
 Total Time: 1568.9 TACH

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
01-25-03 12/17/2001	DETECT AND REPLACE UNDERSTRENGTH RIVETS IN THE ELEVATOR AND RUDDER/	N/A BY S/N					A/P 3304319 IA
02-05-05 03/19/2002 SS by 2002-24-08	LIMIT THE CHANCE OF FAILURE OF THE CAPS ACTIVATION SYSTEM/	SUPERSEDED BY AD 2002-24-08	X				A/P 3304319 IA
02-21-02 11/08/2002	PREVENT LOSS OF THE SELF-LOCKING RETAINING NUT ON THE ROLL AND YAW TRIM CARTRIDGES/	N/A BY S/N					A/P 3304319 IA
02-24-08 01/24/2003	PREVENT FAILURE OF THE CAPS ACTIVATION SYSTEM IN AN EMERGENCY SITUATION/	N/A BY S/N					A/P 3304319 IA
05-17-19 10/13/2005 SS by 2006-19-10	PREVENT THE CREW SEATS FROM FOLDING FORWARD DURING EMERGENCY LANDING/	SUPERSEDED BY AD 2006-19-10	X				A/P 3304319 IA

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by

J. Plu

Date

9-21-23

Worthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

airframe

Company	Steel Aviation	Biweekly Number	2023-20
Make/Model	Cirrus – SR22	TACH	1900.9 HOBBS
Tail #	N828LE	A/C Cert. Date	AUGUST 12, 2008
Serial #	3178	Total Time	1568.9 TACH

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
06-07-06 05/11/2006	TO DETECT, CORRECT, AND PREVENT DAMAGE TO THE FUEL LINE AND WIRE/	N/A BY S/N					A/P 3304319 IA
06-19-10 10/24/2006	TO PREVENT THE CREW SEATS FROM FOLDING FORWARD DURING EMERGENCY LANDING/	N/A BY S/N					A/P 3304319 IA
06-21-03 11/17/2006	PREVENT OVERHEATING DAMAGE TO THE BRAKE CALIPER PISTON O-RING SEALS/	N/A BY S/N		X			A/P 3304319 IA
07-14-03 08/16/2007	TO CORRECT PICK-UP COLLAR SUPPORT FASTENERS OF THE CAPS/	N/A BY S/N					A/P 3304319 IA
07-24-13 12/04/2007	TO PREVENT MOISTURE FROM ACCUMULATING ALONG THE WING SHEAR WEB WHERE IT MAY FREEZE IN CERTAIN CONDITIONS/	N/A BY S/N					A/P 3304319 IA

icates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by

[Handwritten Signature]

Date

9-21-23

Airworthiness Directive Compliance Record

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Company: Steel Aviation
 Make/Model: Cirrus – SR22
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 TACH: 1900.9 HOBBS
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 Total Time: 1568.9 TACH

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
08-03-16 03/11/2008	TO PREVENT THE POSSIBILITY OF JAMMING OF THE RUDDER-AILERON INTERCONNECT SYSTEM/	N/A BY S/N					A/P 3304319 IA
08-14-13 08/14/2008	TO PREVENT IN-FLIGHT FAILURE OF THE CABIN DOOR/	N/A BY S/N					A/P 3304319 IA
09-26-01 12/21/2009	TO DETECT AND CORRECT ANTI-ICE FLUID DISTRIBUTION LINES WITH IMPROPERLY INSTALLED COMPRESSION FITTINGS/	N/A BY S/N					A/P 3304319 IA
* 23-09-09 07/17/2023	FAILURES OF SPOT-WELDED, MULTI-SEGMENT V-BAND COUPLINGS/	N/A AFFECTED EQUIPMENT NOT INSTALLED		X			A/P 3304319 IA

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by J. S. Allen Date 9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

engine

Company: Steel Aviation
 Make/Model: Continental -- IO-550-N48
 Tail #: N828LE
 Serial #: 691837
 Location: FRONT

Biweekly Number: 2023-20
 TSMOH: TSN:1568.9
 Total Time: 1568.9
 Total Cycles:

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
88-03-06 02/05/1988	OIL FILTER/	N/A BY P/N INSTALLED					A/P 3304319 IA
91-19-03 09/29/1991	CHAMPION OIL FILTER/	N/A BY P/N INSTALLED					A/P 3304319 IA
93-08-17 08/23/1993	INCORRECT OIL PICK-UP TUBE/	N/A BY MODEL AND S/N NOT LISTED IN TCM SB No. M91-10, R1					A/P 3304319 IA
93-10-02 05/17/1993	CYLINDER VALVE RETAINER/	N/A BY MODEL AND S/N NOT LISTED IN TCM MSB No. 93-12					A/P 3304319 IA
PL99-09-17 SS by 99-19-01	CRANKSHAFT FAILURE/	SUPERSEDED BY AD 99-19-01	X				A/P 3304319 IA
99-19-01 09/30/1999	CRANKSHAFT FAILURE/	N/A BY DATE OF MANUFACTURE AND MODEL & S/N NOT LISTED IN TCM MSB 99-3C					A/P 3304319 IA
* PL2000-08-51 04/28/2000 SS by 2000-23-21	CRANKSHAFT CONNECTING ROD JOURNAL FRACTURE/	SUPERSEDED BY AD 2000-23-21	X	X			A/P 3304319 IA
00-23-21 12/12/2000	FRACTURE OF THE CRANKSHAFT CONNECTING ROD JOURNAL/	N/A BY DATE OF MANUFACTURE AND MODEL NOT LISTED IN TCM MSB 00-5C					A/P 3304319 IA

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Prepared by



Date

9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

engine


Company: Steel Aviation
 Make/Model: Continental -- IO-550-N48
 Tail #: N828LE
 Serial #: 691837
 Location: FRONT

Biweekly Number: 2023-20
 TSMOH: TSN:1568.9
 Total Time: 1568.9
 Total Cycles:

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
04-08-10 05/05/2004	PREVENT LOSS OF ENGINE POWER/	N/A BY STC NOT INSTALLED					A/P 3304319 IA
07-16-10 08/23/2007	TO PREVENT THE TURBINE ROTOR FROM SEPARATING FROM THE SHAFT OF THE TURBOCHARGER DUE TO A MACHINING DEFECT IN THE TURBOCHARGER COMPRESSOR/	N/A NO TURBOS OR STC INSTALLED					A/P 3304319 IA
09-16-03 09/09/2009 SS by 2014-05-29	TO PREVENT THE SEPARATION OF THE CYLINDER HEAD/	SUPERSEDED BY AD 2014-05-29	X	X			A/P 3304319 IA
09-24-52 SS by 2010-11-04	TO ADDRESS RAPID WEAR ON THE FACE OF HYDRAULIC LIFTERS/	SUPERSEDED BY AD 2010-11-04	X	X			A/P 3304319 IA
10-11-04 06/16/2010	TO PREVENT EXCESSIVE HYDRAULIC LIFTER WEAR/	N/A BY DATE OF MANUFACTURE AND NO LIFTER WORK DONE IN DATES LISTED		X			A/P 3304319 IA

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Prepared by



Date

9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

engine

Company	Steel Aviation	Biweekly Number	2023-20
Make/Model	Continental – IO-550-N48	TSMOH	TSN:1568.9
Tail #	N828LE	Total Time	1568.9
Serial #	691837	Total Cycles	
Location	FRONT		

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
11-25-51 12/28/2011 SS by 2012-10-13	TO ADDRESS FRACTURES IN STARTER ADAPTER SHAFT GEARS/	SUPERSEDED BY AD 2012-10-13	X				A/P 3304319 IA
12-03-06 02/24/2012	TO PREVENT AN IN-FLIGHT SHUTDOWN DUE TO A FAILED FUEL SERVO DIAPHRAGM/	N/A BY FUEL SYSTEM INSTALLED		X			A/P 3304319 IA
12-10-13 6/8/2012	TO PREVENT STARTER ADAPTER GEAR SHAFT FAILURE/	N/A BY P/N OF ADAPTER INSTALLED		X			A/P 3304319 IA
14-05-29 04/25/2014	SUPERIOR AIR PARTS INVESTMENT CAST CYLINDER ASSEMBLIES/	N/A BY CYLINDERS INSTALLED		X			A/P 3304319 IA
16-16-12 09/15/2016	ECI CLASS 71 OR CLASS 76 CYLINDER ASSEMBLY FAILURES/	N/A BY CYLINDERS INSTALLED					A/P 3304319 IA
0-16-11 09/21/2020	CROSS-FLOW CYLINDER ASSEMBLIES INTEGRITY/	C/W by visual inspection of cylinders 1,2,3,4, and modification of cylinders 5 and 6 see engine logbook dated 8/18/2021			8/18/2021@ 1378.3		SEE LOG ENTRY

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Prepared by

Date

9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

Company: Steel Aviation
 Make/Model: Continental – IO-550-N48
 Tail #: N828LE
 Serial #: 691837
 Location: FRONT

Biweekly Number: 2023-20
 TSMOH: TSN:1568.9
 Total Time: 1568.9
 Total Cycles:

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
22-04-04 03/29/2022 SS by 2023-17-04	STC STRATUS OIL FILTER ADAPTER FIBER GASKET OIL LOSS/	SUPERSEDED BY AD 2023-17-04	X				A/P 3304319 IA
23-02-12 02/17/2023	INTAKE VALVE FAILURES/	N/A BY CYLINDERS INSTALLED AND NO VALVES OR CYLINDERS REPAIRED OR INSTALLED SINCE DATE LISTED					A/P 3304319 IA
23-04-08 02/23/2023 SS by 2023-05-16	CRANKSHAFT ASSEMBLY COUNTERWEIGHT RETAINING RINGS IN THE COUNTERWEIGHT GROOVE/	SUPERSEDED BY AD 2023-05-16	X				A/P 3304319 IA
3-05-16 03/15/2023	IMPROPER INSTALLATION OF COUNTERWEIGHT RETAINING RINGS/	N/A BY ENGINE S/N NOT LISTED AND NO CRANKSHAFT REPAIRS AFTER DATE LISTED					A/P 3304319 IA
-09-09 17/17/2023	FAILURES OF SPOT-WELDED, MULTI-SEGMENT V-BAND COUPLINGS/	N/A AFFECTED EQUIPMENT NOT INSTALLED		X			A/P 3304319 IA

ates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by

[Signature]

Date

9/21/23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

Company: Steel Aviation
 Make/Model: Continental - IO-550-N48
 Tail #: N828LE
 Serial #: 691837
 Location: FRONT

Biweekly Number: 2023-20
 TSMOH: TSN:1568.9
 Total Time: 1568.9
 Total Cycles:

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
23-17-04 10/26/2023	STC F&M OR STRATUS OIL FILTER ADAPTER FIBER GASKET OIL LOSS/	N/A LOGS SHOW AFFECTED EQUIPMENT NOT INSTALLED, AND STC'S LISTED NOT INSTALLED					AP 3304319 IA

Prepared by J. S. Plummer Date 9-21-23

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by J. S. Plummer Date 9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

propeller

Company: Steel Aviation
 Make/Model: Hartzell – PHC-J3YF-1RF
 Tail #: N828LE
 Serial #: FP6926B
 Location: FRONT
 Blade: F769BDFB

Biweekly Number: 2023-20
 TSMOH: 363.6
 Total Time: 1568.9
 Total Cycles:

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 77-12-06 R2 11/10/1977 SS by 2002-09-08	PROP BLADE/	SUPERSEDED BY AD 2002-09-08	X	X			A/P 3304319 IA
* 89-22-05 SS by 93-16-14	PROPELLER HUB FAILURE/	SUPERSEDED BY AD 93-16-14	X	X			A/P 3304319 IA
* 93-16-14 08/18/1993 SS by 94-17-13	PROP HUB CRACKS/	SUPERSEDED BY AD 94-17-13	X	X			A/P 3304319 IA
* 94-17-13 09/15/1994	PROP HUB FAILURE/	N/A BY S/N OF PROP INSTALLED		X			A/P 3304319 IA
01-07-03 06/04/2001	CORRECTION - PREVENT PROPELLER FAILURE OF THE PROPELLERS RETURNED TO SERVICE BY BASCO/	N/A LOGS SHOW NO RETURN TO SERVICE BY BASCO					A/P 3304319 IA
02-09-08 06/13/2002 SS by 2007-26-09	PREVENT FAILURE OF THE PROPELLER BLADE FROM FATIGUE CRACKS/	SUPERSEDED BY AD 2007-26-09	X				A/P 3304319 IA

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by Jill S. Klein Date 9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

Company: Steel Aviation
 Make/Model: Hartzell – PHC-J3YF-1RF
 Tail #: N828LE
 Serial #: FP6926B
 Location: FRONT
 Blade: F769BDFB

Biweekly Number: 2023-20
 TSMOH: 363.6
 Total Time: 1568.9
 Total Cycles:

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
05-14-11 08/17/2005	MAINTENANCE BY SOUTHERN CALIFORNIA PROPELLER SERVICE/	N/A LOGS SHOW NO MAINTENANCE BY SOUTHERN CALIFORNIA PROPELLERS					A/P 3304319 IA
07-26-09 01/30/2008	TO PREVENT FAILURE OF THE PROPELLER BLADE FROM FATIGUE CRACKS IN THE BLADE SHANK RADIUS/	N/A BY S/N OF BLADES INSTALLED					A/P 3304319 IA
* 08-13-28 07/17/2008	TO PREVENT FAILURE OF THE PROPELLER HUB/	N/A BY PROP MODEL INSTALLED		X			A/P 3304319 IA

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by *J. S. Rain* Date 9-21-23

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

Appliances

Company Steel Aviation
 Tail # N828LE
 Biweekly Number 2023-20

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
74-26-09 12/24/1974	74-26-09 - BENDIX MAGNETOS/	N/A BY TYPE DESIGNATION AND P/N OF MAGNETOS INSTALLED					A/P 3304319 IA
75-12-07 06/06/1975	75-12-07 - MCCAULEY GOVERNORS/	N/A BY MODEL OF PROP GOVERNOR INSTALLED					A/P 3304319 IA
82-20-01 06/14/1983	82-20-01 - BENDIX MAGNETOS/	N/A BY TYPE DESIGNATION OF MAGNETOS INSTALLED					A/P 3304319 IA
93-05-06 04/29/1993	93-05-06 - ACS IGNITION SWITCHES/	NEW IGNITION SWITCH INSTALLED SEE AIRFRAME LOG DATED 8/18/2021			8/18/2021 @1378.3	@ 3378.3 TACH AND EVERY 2000 FLT HRS	A/P 3304319 IA
94-01-03 R2 06/28/1995	94-01-03 R2 - TELEDYNE/BENDIX MAGNETOS/	N/A BY S/N OF MAGNETOS INSTALLED					A/P 3304319 IA
94-06-09 05/20/1994	94-06-09 - TELEDYNE/BENDIX MAGNETOS/	N/A BY S/N OF MAGNETOS INSTALLED					A/P 3304319 IA
01-23-17 12/28/2001	PREVENT EXTERNAL NOISE TO THE GNS 430 UNIT’S COURSE DEVIATION INDICATOR (CDI)/	N/A NO GARMIN 430S INSTALLED					A/P 3304319 IA

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Prepared by

J. J. [Signature]

Date

9/21/23

Airworthiness Directive Compliance Record

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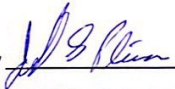
Appliances

Company Steel Aviation
 Tail # N828LE
 Biweekly Number 2023-20

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
02-26-03 02/18/2003	DETECT AND CORRECT INCORRECT INSTALLATION OF THE AIR FILTER/	N/A BY P/N INSTALLED					A/P 3304319 IA
05-01-19 02/23/2005	PREVENT INTERROGATING AIRCRAFT FROM POSSIBLY RECEIVING INACCURATE REPLIES/	N/A BY MODEL OF GARMIN TRANSPONDER INSTALLED					A/P 3304319 IA
* 05-12-06 07/19/2005	PREVENT FAILURE OF THE MAGNETO IMPULSE COUPLING ASSEMBLY/	N/A BY ENGINE MODEL MAGNETOS INSTALLED ON AND P/N OF MAGNETOS		X			A/P 3304319 IA
* 09-05-05 04/03/2009	TO PREVENT CERTAIN CONDITIONS FROM EXISTING WHEN PFDS DISPLAY INCORRECT/	N/A BY GARMIN PFD INSTALLED		X			A/P 3304319 IA
15-10-51 07/01/15	AFM - FINAL APPROACH COURSE LATERAL DEVIATIONS/	N/A NO AVIDYNE IFD INSTALLED					A/P 3304319 IA
17-04-06 04/07/2017	ERRONEOUS DISPLAY DUE TO SLOW DIAPHRAM LEAK/	N/A BY S/N OF STANDBY ALTIMETER					A/P 3304319 IA

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Prepared by



Date

9-21-23

Airworthiness Directive Compliance Record

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AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 17-16-01 10/24/2017	QUALITY STANDARDS NON-COMPLIANCE MALFUNCTIONS/	N/A BY MODEL OF ELT INSTALLED		X			A/P 3304319 IA
19-01-02 02/07/2019	AFM, FLIGHT DISPLAY UNIT REPETITIVE UNCOMMANDED RESET/	N/A NO ASPEN INSTALLED					A/P 3304319 IA
19-13-03 08/27/2019	MOUNTING TRAY RETAINING CAM INSUFFICIENT G-FORCE RETENTION/	N/A BY GARMIN TRANSPONDER INSTALLED					A/P 3304319 IA
20-16-08	UNCOMMANDED FLIGHT DISPLAY SYSTEMS RESET/	N/A NO ASPEN INSTALLED					A/P 3304319 IA
20-19-06 11/03/2020	IDLER GEAR BEARING UNAPPROVED VARIANT/	N/A NO WORK DONE SINCE ORIGINAL INSTALL OR AT REMOVAL SEE ENGINE LOG DATED 7/28/2017					A/P 3304319 IA

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by *J. S. Klein* Date 9-21-23

BOShart Enterprises Inc.
 Genesee county Airport
 Batavia, NY 14020
 Repair Station Number B2ER144J

Tested in Compliance with ^{UN 12731-003}
 Part 43 Appendix E Paragraph (A,B)

Altimeter #2

Test Altitude in Feet	Reading	Tolerance +/- (feet)	HYSTERESIS/TEST TOLERANCES		
				Reading	Tolerance (feet)
-1000	-20	20	Case leak Test	-28	100
0	0	20			
500	0	20	Hysteresis Test	+20	75
1000	+10	20	First TP...50% of Max		
1500	+5	25	Hystereis Test	+10	75
2000	+15	30	First TP..40% of max		
3000	+20	30	After Effect	+20	30
4000	+10	35			
6000	-15	40	Kollsman Window Calibration		
8000	-40	60	Pressure Setting in In./Hg.	Reading	Altitude Difference (feet)
10000	-60	80			
12000	-70	90			
14000	-75	100	28.10	-1735	-1727
16000	-75	110	28.50	-1350	-1340
18000	-55	120	29.00	-850	-863
20000	-30	130	29.50	-410	-392
22000	+5	140	29.92	-0- (ref)	0
25000	-40	155	30.50	+515	531
30000		180	30.90	+890	893
35000		205	30.99	+975	974
40000		230	boshe11		
45000		255	W/O No. <u>A56501</u> Date: <u>07-27-2010</u>		
50000		280			

0	-15	25	Hystereis Test		75
0	-15	30	First TP..40% of max	0	
0	-20	30	After Effect	0	30
0	-20	35			
0	-20	40	Kollsman Window Calibration		
0	-20	60	Pressure		Altitude

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

MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED
Boshart Enterprises Inc. East Saile Drive, Batavia, N.Y. 14020 Repair Station No. B2ER144J					
Aircraft N <u>828LE</u> W/O No. <u>A56501</u>					
<input checked="" type="checkbox"/> Transponder Model <u>GTX-32</u> S/N <u>83900372</u> Has been tested IAW Part 91.413 para. a, b, c and found to comply with Part 43 Appendix F.					
<input checked="" type="checkbox"/> Encoder Model <u>Air Data</u> S/N _____ <input checked="" type="checkbox"/> Altimeter Model <u>GDC 74A</u> S/N <u>20601985</u> Has been tested IAW Part 91.411 para a and found to comply with Part 43 Appendix E.					
<input checked="" type="checkbox"/> Aircraft Static System has been tested IAW Part 91.411 and found to comply with Part 23.1325 para 2I					
Signed <u>[Signature]</u> # <u>2141512</u> Date <u>07-27-2010</u>					
Aircraft Tach/Hobbs Time <u>340.8</u> form DOSHE 10					

Boshart Enterprises Inc.
Genesee county Airport
Batavia, NY 14020
Repair Station Number B2ER144J

Tested in Compliance with
 Part 43 Appendix E Paragraph (A,B)
ADC #1 GDC 74A
Altimeter #1

Test Altitude in Feet	Reading	Tolerance +/- (feet)	HYSTERESIS/TEST TOLERANCES		
				Reading	Tolerance (feet)
-1000	-15	20	Case leak Test	-28	100
0	-15	20			
500	-15	20	Hysteresis Test First TP...50% of Max	0	75
1000	-15	20			
1500	-15	25	Hystereis Test First TP..40% of max	0	75
2000	-15	30			
3000	-15	30	After Effect	0	30
4000	-20	35			
6000	-20	40	Kollsman Window Calibration		
8000	-20	60	Pressure		Altitude

RADIO & ELECTRONIC CHECKS

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY

Alt. Mfg. <u>Garmin/Dw. Fed</u> Alt. Model <u>GDC-74a/12731-003</u> Alt. S/N <u>20201985/469586</u> A/C N # <u>828LE</u>	Steiner Aviation International 5430 Lauby Road, Hangar 17 North Canton Ohio 44720 CRS V4NR896Y	DATE <u>10-23-13</u> WO # <u>8546</u> T.T. <u>775.3</u> T.L. _____
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THE ALTIMETER/ENCODER AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO BE SATISFACTORY IN ACCORDANCE WITH FAR 43 APPENDIX "E".

STATIC SYSTEM(S) LEAK CHECKED 1
 ALTIMETER(S) CERTIFIED BY CRS V4NR896Y
 TO 20,000 FT., REFER TO ATTACHED MAINTENANCE RELEASE ALTITUDE ENCODING SYSTEM CERTIFIED BY STEINER AVIATION INTERNATIONAL, INC CRS V4NR896Y

SIGNED Timothy J. Robin
 DATE 10-23-13 CERT. NO. V4N128760

THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO MEET THE REQUIREMENTS OF FAR 43 APPENDIX "F" AND "E" PARAGRAPH C. IF APPLICABLE

#1 TXP MAKE GARMIN MODEL GTX 32
 SERIAL NO. 83900372 TSO CHDCTC

#2 TXP MAKE _____ MODEL _____
 SERIAL NO. _____ TSO _____
 STEINER AVIATION INTERNATIONAL, INC.
 CRS V4NR896Y

MAINTENANCE RELEASE

The Aircraft or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on File at this repair station under

Work Order Number 8546
 Date 10-23-13 Time 775.3
 Signed Timothy J. Robin
 STEINER AVIATION INTERNATIONAL, INC. V4NR896Y

CERTIFIED AIR DATA COMPUTER (S) AS PER F.A.R. 43 APPENDIX "E", (2).
 MAKE GARMIN MOD. GDC-74a
 #1 S/N 20201985 #2 S/N _____

ALTIMETER - PART NUMBER ADC

ALTIMETER SCALE Correction Card		STANDARD ALTITUDE FT.	ALTIMETER READING
STANDARD ALTITUDE FT.	ALTIMETER READING	14000	13970
16000	15970	18000	17970
20000	19970	22000	
25000		30000	
30000		35000	
40000		45000	
50000		50000	
55000		55000	

STANDARD ALTITUDE FT.	ALTIMETER READING
14000	13940
16000	15950
18000	17950
20000	19950
22000	
25000	
30000	
35000	
40000	
45000	
50000	
55000	

FITS AN5800 HOLDER P/N 22628

DATE 10-23-13 SIGNED Timothy J. Robin



MidContinent™

INSTRUMENTS+AVIONICS

9400 E. 34th St. N.
Wichita, KS 67226

16320 Stagg Street
Van Nuys, CA 91406

Altimeter Scale Correction Card

Altimeter P/N: 5934AD-3A.258G

Serial Number: 469986

REFERENCE ALTITUDE IN FT	ALTIMETER READS	REFERENCE ALTITUDE IN FT	ALTIMETER READS
-1,000	-1,020	18,000	17,960
0	-10	20,000	19,965
500	490	22,000	21,980
1,000	1,000	25,000	25,000
1,500	1,500	30,000	30,040
2,000	2,000	35,000	35,100
3,000	3,000		
4,000	4,000		
5,000	4,985		
6,000	5,990		
8,000	7,965		
10,000	9,960		
12,000	11,950		
14,000	13,950		
15,000	14,950		
16,000	15,955		

Tested By: JP 884

Date: 11/18/2015

11/26/19

ALTIMETER SCALE CORRECTION CARD

AIRCRAFT N# N828LE

ALTIMETER S/N 469936

SCALE CORRECTIONS

Add algebraically
at room temp.

Add algebraically
at room temp.

-1000	+10	14000	-20
0	0	16000	-60
500	0	18000	-30
1000	0	20000	0
1500	0	22000	
2000	-20	25000	
3000	-20	30000	
4000	-10	35000	
6000	-20	40000	
8000	-40	45000	
10000	-30	50000	
12000	-30		

Tested by: [Signature] Date 9/30/19

SCALE CORRECTIONS SHOWN ON THIS CARD ARE THE SCALE ERRORS WITH THE SIGN REVERSED. ONLY THOSE SCALE ERRORS DETERMINED BY THE USE OF A MASTER ALTIMETER TRACEABLE TO AN ACCURATE MERCURIAL BAROMETER AT THE TIME THE ALTIMETER IS CALIBRATED FOR ACCEPTANCE WILL BE USED IN DETERMINING SCALE CORRECTIONS FOR ENTRY ON THIS CARD. THE COMPLETED SCALE CORRECTION CARD WILL BE ATTACHED TO THE ALTIMETER WHEN IT IS NOT INSTALLED IN THE AIRCRAFT.

MODERN AVIONICS AND MAINTENANCE
CRS# 7MVR170C

N F
1-
KIND
NO. C

6/16/00

ALTIMETER SCALE CORRECTION CARD

AIRCRAFT N# N828LE

ALTIMETER S/N 14700077

SCALE CORRECTIONS

Add algebraically
at room temp.

Add algebraically
at room temp.

-1000	+10	14000	+20
0	+10	16000	-30
500	-20	18000	-30
1000	-20	20000	0
1500	-10	22000	
2000	-20	25000	
3000	-30	30000	
4000	-10	35000	
6000	-20	40000	
8000	-30	45000	
10000	-10	50000	
12000	0		

Tested by: [Signature] Date 9/30/19

SCALE CORRECTIONS SHOWN ON THIS CARD ARE THE SCALE ERRORS WITH THE SIGN REVERSED. ONLY THOSE SCALE ERRORS DETERMINED BY THE USE OF A MASTER ALTIMETER TRACEABLE TO AN ACCURATE MERCURIAL BAROMETER AT THE TIME THE ALTIMETER IS CALIBRATED FOR ACCEPTANCE WILL BE USED IN DETERMINING SCALE CORRECTIONS FOR ENTRY ON THIS CARD. THE COMPLETED SCALE CORRECTION CARD WILL BE ATTACHED TO THE ALTIMETER WHEN IT IS NOT INSTALLED IN THE AIRCRAFT.

MODERN AVIONICS AND MAINTENANCE
CRS# 7MVR170C

INSPECTION F F.A.R. 43.11 -

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE	KIND CERT. NO. C
A/C N#: <u>N828LE</u>	Hours <u>1350.5</u>	Date <u>9/30/19</u>	
The following altimeter system and altitude reporting equipment tests and inspections as required by CFR 91.411, IAW CFR Part 43, Appendix E, have been performed.			
Part (a) Static System <u>9/30/19</u> (date)			
Part (b) Altimeters			
Pilot's <u>9/30/19</u> Copilot's _____ Standby <u>9/30/19</u>			
Tested to <u>20,000</u> feet			
Part (c) Integrated System Test <u>9/30/19</u> (date)			
Technician <u>[Signature]</u> W/O# <u>AVI19-0647</u>			
Modern Avionics and Maintenance CRS# 7MVR170C			

A/C N#: <u>N828LE</u>	Hours <u>1350.5</u>	Date <u>9/30/19</u>
ATC Transponder test and inspection as required by CFR 91.413 IAW CFR Part 43, Appendix F, have been performed.		
Transponder Model <u>GTX335R</u>	S/N <u>JEFO22213</u>	
Transponder Model _____	S/N _____	
Technician <u>[Signature]</u> W/O# <u>AVI19-0647</u>		
Modern Avionics and Maintenance CRS 7MVR170C		

AIRTECH LLC. CRS # 5A8R960B

WO # L02145-23064 REGISTRATION # N 828LE POSITION Primary

ALTITUDE	ERROR	ALTITUDE	ERROR
-1000	-10	12000	-30
0	-10	14000	-30
500	-10	16000	-30
1000	-20	18000	-30
1500	-20	20000	-40
2000	-20	25000	—
3000	-20	30000	—
4000	-20	35000	—
6000	-20	40000	—
8000	-20	45000	—
10000	-30	50000	—

At-15	ALTIMETER CORRECTION CARD	REV 2
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N828LE
 FLIGHT: 1
 1. Comp
 2. Perfo
 discre
 With respec
 formed are
 Craig Harbe

ALTITUDE	ERROR	ALTITUDE	ERROR
-1000	-10	12000	-10
0	-10	14000	-10
500	-10	16000	-20
1000	-10	18000	-20
1500	-10	20000	-20
2000	-10	25000	---
3000	-10	30000	---
4000	-10	35000	---
6000	-10	40000	---
8000	-10	45000	---
10000	-10	50000	---
At-15	ALTIMETER CORRECTION CARD		REV 2

F.A.R. 43.11-91.409

DATE

wo: LUK145-23064

Airframe - page 1 of 1



Airtech of Ohio, LLC. - 4765 Airport Rd - CINCINNATI, Ohio 45226 - CRS#: 5A8R960B

N828LE

CIRRUS DESIGN CORP, SR22, S/N: 3178

February 10, 2023

FLIGHT: 1442.3

HOBBS: 1751.1

1. Complied with aircraft preliminary inspection. No discrepancies noted at this time.
2. Performed 24-Month IFR Certification to 20,000ft in accordance with FAR 43 Appendix E and F. No discrepancies noted at this time.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Airtech of Ohio, LLC. under work order: LUK145-23064.

Craig Harbeson CRS# 5A8R960B





AirTech, LLC
 4765 Airport Road
 Cincinnati, OH 45226
 CRS 5A8R960B
 FAA CRS 5A8R960B

RVSM Altimeter Inspection Record CFR 43 Appendix E

Date of inspection: <u>2-7-23</u>	Work Order Number: <u>LOV 145-23064</u>
Customer Name: <u>Steel Aviation</u>	Aircraft "N" Number: <u>N828LE</u>
Aircraft Make / Model: <u>Cirrus SR22</u>	Altimeter Position: <u>Primary</u>
Altimeter Make/Model: <u>Garmin GDC74</u>	Altimeter Serial Number: <u>20613842</u>
Encoder Make/Model: <u>Garmin GDC74</u>	Encoder Serial Number: <u>20613842</u>

AMM RVSM inspections complied with? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	
After Effect (Tolerance: 30 Feet)	Beginning Altitude: <u>968</u> Ending Altitude: <u>975</u>
Static System Leak Check	Unpressurized A/C: <u>-5</u> Pressurized A/C: _____
System Leak Tolerances:	(<100 Feet at 1K Feet above field elevation) (<2% of MCPD)

Altitude Feet	SCALE ERROR		FRICTION		Hysteresis	Case Leak	Encoder
	Actual Error Ascending (+/- Feet)	Tolerance (+/- Feet)	Friction Error (+/- Feet)	Friction Tolerance (+/- Feet)	At 50%, 40% Tolerance (+/- 75 Feet)	Case Leak at 18K Feet Tolerance (+/- 100 Feet)	Integration Test Tolerance (+/- 125) of Altimeter
-1000	-10	+/- 20					0
0	-10	+/- 20					0
500	-10	+/- 20					0
1000	-20	+/- 20	—	+/- 70			0
1500	-20	+/- 25	—				0
2000	-20	+/- 30	—	+/- 70			0
3000	-20	+/- 30	—	+/- 70			0
4000	-20	+/- 35			—		0
5000		FRICTION ONLY	—	+/- 70	—		0
6000	-20	+/- 40			—		0
8000	-20	+/- 60			+20		0
10000	-30	+/- 80	—	+/- 80	+20		0
12000	-30	+/- 90			—		0
14000	-30	+/- 100			—		0
15000		FRICTION ONLY	—	+/- 90	—		0
16000	-30	+/- 110			—		0
18000	-30	+/- 120			—	0	0
20000	-40	+/- 130	—	+/- 100	—		0
22000	—	+/- 140			—		—
25000	—	+/- 155	—	+/- 120	—		—
30000	—	+/- 180	—	+/- 140			—
35000	—	+/- 205	—	+/- 160			—
40000	—	+/- 230	—	+/- 180			—
45000	—	+/- 255					—
50000	—	+/- 280	—	+/- 250			—

Barometric Scale Error (Tolerance +/- 25 Feet)						Inspector's Signature
Pressure (inches of Hg)	Altitude Difference	Actual Reading	Pressure (inches of Hg)	Altitude Difference	Actual Reading	
28.10	-1727	-1720	29.92	0	960	 Date <u>2-7-23</u>
28.50	-1340	-1340	30.50	531	530	
29.00	-863	-860	30.90	893	890	
29.50	-392	-390	30.99	974	980	

AIRTECH LLC. CRS # 5A8R960B

WO # *LOC145-23064* REGISTRATION # *N 8286E* POSITION *Primary*

ALTITUDE	ERROR	ALTITUDE	ERROR
-1000	-10	12000	-30
0	-10	14000	-30
500	-10	16000	-30
1000	-20	18000	-30
1500	-20	20000	-40
2000	-20	25000	—
3000	-20	30000	—
4000	-20	35000	—
6000	-20	40000	—
8000	-20	45000	—
10000	-30	50000	—
At-15	ALTIMETER CORRECTION CARD		REV 2



AirTech, LLC
 4765 Airport Road
 Cincinnati, OH 45226
 CRS 5A8R960B
 FAA CRS 5A8R960B

RVSM Altimeter Inspection Record CFR 43 Appendix E

Date of inspection: <u>2-7-23</u>	Work Order Number: <u>LUK115-23064</u>
Customer Name: <u>Steel Aviation</u>	Aircraft "N" Number: <u>N828LE</u>
Aircraft Make / Model: <u>Cirrus SR22</u>	Altimeter Position: <u>Stand-By</u>
Altimeter Make/Model: <u>Garmin G1275</u>	Altimeter Serial Number: <u>SM2113461</u>
Encoder Make/Model: _____	Encoder Serial Number: _____

AMM RVSM inspections complied with? <u>Yes</u> / <u>No</u> / <u>NO</u>	
After Effect (Tolerance: 30 Feet)	Beginning Altitude: <u>968</u> Ending Altitude: <u>975</u>
Static System Leak Check	Unpressurized A/C: <u>-5</u> Pressurized A/C: _____
System Leak Tolerances:	(<100 Feet at 1K Feet above field elevation) (<2% of MCPD)

Altitude Feet	SCALE ERROR		FRICTION		Hysteresis	Case Leak	Encoder
	Actual Error Ascending (+/- Feet)	Tolerance (+/- Feet)	Friction Error (+/- Feet)	Friction Tolerance (+/- Feet)	At 50%, 40% Tolerance (+/- 75 Feet)	Case Leak at 18K Feet Tolerance (+/- 100 Feet)	Integration Test Tolerance (+/- 125) of Altimeter
-1000	-10	+/- 20	—	—	—	—	—
0	-10	+/- 20	—	—	—	—	—
500	-10	+/- 20	—	—	—	—	—
1000	-10	+/- 20	—	+/- 70	—	—	—
1500	-10	+/- 25	—	—	—	—	—
2000	-10	+/- 30	—	+/- 70	—	—	—
3000	-10	+/- 30	—	+/- 70	—	—	—
4000	-10	+/- 35	—	—	—	—	—
5000	—	FRICTION ONLY	—	+/- 70	—	—	—
6000	-10	+/- 40	—	—	—	—	—
8000	-10	+/- 60	—	—	0	—	—
10000	-10	+/- 80	—	+/- 80	0	—	—
12000	-10	+/- 90	—	—	—	—	—
14000	-10	+/- 100	—	—	—	—	—
15000	—	FRICTION ONLY	—	+/- 90	—	—	—
16000	-20	+/- 110	—	—	—	—	—
18000	-20	+/- 120	—	—	—	0	—
20000	-20	+/- 130	—	+/- 100	—	—	—
22000	—	+/- 140	—	—	—	—	—
25000	—	+/- 155	—	+/- 120	—	—	—
30000	—	+/- 180	—	+/- 140	—	—	—
35000	—	+/- 205	—	+/- 160	—	—	—
40000	—	+/- 230	—	+/- 180	—	—	—
45000	—	+/- 255	—	—	—	—	—
50000	—	+/- 280	—	+/- 250	—	—	—

Barometric Scale Error (Tolerance +/-25 Feet)						Inspector's Signature
Pressure (Inches of Hg)	Altitude Difference	Actual Reading	Pressure (Inches of Hg)	Altitude Difference	Actual Reading	 Date <u>2-7-23</u>
28.10	-1727	-1730	29.92	0	960	
28.50	-1340	-1340	30.50	531	530	
29.00	-863	-860	30.90	893	890	
29.50	-392	-390	30.99	974	970	

AIRTECH LLC. CRS # 5A8R960B

WO # Luc145-2306 REGISTRATION # N 828LE POSITION Stand - BY

ALTITUDE	ERROR	ALTITUDE	ERROR
-1000	-10	12000	-10
0	-10	14000	-10
500	-10	16000	-20
1000	-10	18000	-20
1500	-10	20000	-20
2000	-10	25000	—
3000	-10	30000	—
4000	-10	35000	—
6000	-10	40000	—
8000	-10	45000	—
10000	-10	50000	—
At-15	ALTIMETER CORRECTION CARD		REV 2

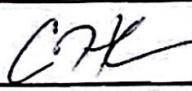


AirTech, LLC
 4765 Airport Road Cincinnati,
 OH. 45226
 FAA CRS 5A8R960B

RVSM Transponder Inspection Record CFR 43 Appendix F

Date of Inspection: 2-7-2023 Work Order: LUK145-23064
 Customer Name: Steel Aviation
 Aircraft Make / Model: Cirrus SR22
 Aircraft "N" number: N828LE

	Transponder #1	Transponder #2	Transponder #3
Make:	Garmin		
Model:	Garmin GTX330ES		
P/N:	011-00779-03		
S/N	89107256		
Frequency	Mhz	Mhz	Mhz
SLS - 8 dbm	PASS / FAIL	PASS / FAIL	PASS / FAIL
SLS - 40 dbm	PASS / FAIL	PASS / FAIL	PASS / FAIL
Receiver Sensitivity	-72.6 dbm	dbm	dbm
Alt. Sensitivity dbm	0.0 dbm	dbm	dbm
RF Output Power	176.3 watts	watts	watts
Power Source	PASS / FAIL	PASS / FAIL	PASS / FAIL
E2 Frequency	PASS / FAIL	PASS / FAIL	PASS / FAIL
Ident	PASS / FAIL	PASS / FAIL	PASS / FAIL
Panel Codes	PASS / FAIL	PASS / FAIL	PASS / FAIL
Mode S Code	PASS / FAIL	PASS / FAIL	PASS / FAIL
Mode S Mode	N 828LE	N	N

Inspector's signature

 Date
2-7-23