

AIRCRAFT LOG
AF5-1



SHERWIN-WILLIAMS.
Aerospace Coatings

Base Coat Colors:

MONARCH BLUE

SG201216

STERLING METALLIC

CM0855694

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**

AIRCRAFT DESCRIPTION

MANUFACTURER CIRRUS DESIGN CORP MODEL SR22T DATE OF MFG. MAY 2023
SERIAL NUMBER 9225 REGISTRATION NUMBER N312DY

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 Aerospace Technologies Inc.	TS10-550-K	R 1045203
ENGINE			L
PROPELLER	Hartzell Propeller Inc.	PHC-J3YIF-1N	R
PROPELLER			L N7605CB
ENGINE			
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PROPELLER			

MAJOR ALTERATIONS

DATE

DESCRIPTION OF ALTERATION

04/10/2023

STC SA01708SE (Fixed Oxygen System) has been installed on this aircraft. Approval for installation has been granted by the STC holder via a Licensing Agreement and the FAA via the Production Certificate / Production Limitation Record. FAA Form 337 not required for this installation.





CDC on 04/10/2023
Cirrus Design Corporation Duluth, MN USA
PRODUCTION CERTIFICATE NO. 338CE

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

[illegible]

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
		11 MAY 23 2.3 HRS	<p>All Airworthiness Directives have been reviewed through bi-weekly issue <u>2023-10</u>.</p> <p>At this time, there are no Airworthiness Directives which are applicable to this aircraft, aircraft engine, propeller or its accessories.</p>			
		11 MAY 23 2.3 HRS	<p>All mandatory Service Bulletins that apply to Cirrus Design Corporation Model SR <u>22T</u> S/N <u>9225</u> have been verified to be incorporated and/or not applicable at this time.</p> <p>CDC  on <u>11 MAY 2023</u> Cirrus Design Corporation Duluth, MN USA PC# 338CE</p>			

ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

[illegible]

Date: 6/5/2025

Work Order: R9202

Registration Number: N312DY

Owner: Infegy

Aircraft Make: Cirrus

Aircraft S/N: 9225

Altimeter Mfg. Garmin

Altimeter S/N: 3KY100172

Pilot ☐Copilot ☐Standby ☐Encoder ☐Altimeter type: ADC(1) ☐ADC(2) ☐Analog ☐

Equivalent Pressure (InHg)	Test Altitude	Tolerance (+/- feet)	Altimeter reading
31.018	-1,000	20	-1,001
29.921	0	20	-2
29.385	500	20	499
28.856	1,000	20	999
28.335	1,500	25	1,500
27.821	2,000	30	2,000
26.817	3,000	30	3,001
25.842	4,000	35	4,001
23.978	6,000	40	6,003
22.225	8,000	60	8,006
20.577	10,000	80	10,009
19.029	12,000	90	12,013
17.577	14,000	100	14,015
16.216	16,000	110	16,018
14.942	18,000	120	18,018
13.75	20,000	130	20,022
12.636	22,000	140	22,034
11.104	25,000	155	25,053
8.885	30,000	180	-
7.041	35,000	205	-
5.538	40,000	230	-
4.355	45,000	255	-
3.425	50,000	280	-

Wells Aircraft, Inc. CRS NT2R043L

I certify that the altimeter and static system tests required by FAR 91.411 have been
have been performed.

The altimeter was tested to: 25,000' feet on: 6/5/2025

The encoder was tested in accordance with 91.217.

Date of static system leak test: 6/5/2025



Authorized Signature

Date: 6/5/2025 Work Order: R9202 Registration Number: N312DY
Owner: Infegy
Aircraft Make: Cirrus Aircraft S/N: 9225
Altimeter Mfg. Garmin Altimeter S/N: 3KY100307

Pilot ☐ Copilot ☐ Standby ☐ Encoder ☐
Altimeter type: ADC(1) ☐ ADC(2) ☐ Analog ☐

Equivalent Pressure (InHg)	Test Altitude	Tolerance (+/- feet)	Altimeter reading
31.018	-1,000	20	-1,003
29.921	0	20	-3
29.385	500	20	497
28.856	1,000	20	997
28.335	1,500	25	1,498
27.821	2,000	30	1,998
26.817	3,000	30	2,999
25.842	4,000	35	3,999
23.978	6,000	40	6,001
22.225	8,000	60	8,004
20.577	10,000	80	10,007
19.029	12,000	90	12,011
17.577	14,000	100	14,012
16.216	16,000	110	16,014
14.942	18,000	120	18,014
13.75	20,000	130	20,020
12.636	22,000	140	22,030
11.104	25,000	155	25,048
8.885	30,000	180	-
7.041	35,000	205	-
5.538	40,000	230	-
4.355	45,000	255	-
3.425	50,000	280	-

Wells Aircraft, Inc. CRS NT2R043L

I certify that the altimeter and static system tests required by FAR 91.411 have been have been performed.

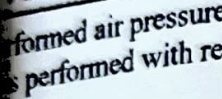
The altimeter was tested to: 25,000' feet on: 6/5/2025

The encoder was tested in accordance with 91.217.

Date of static system leak test: 6/5/2025



Authorized Signature



www.wellsac.com



Transponder (GTx 345R) was tested I/A/W the requirements of FAR Part 91.413 & FAR Part 43 App. F and is approved for return to service.
DATE: 06/05/2025

DATE: 06/05/2025

Pilot's ADC1, ADC2, standby altimeter, encoders and static system were tested I/A/W the requirements of FAR Part 91.411 & FAR Part 43 App. E. The altimeters were tested to 25,000ft and are approved for return to service.

WO: R9202

DATE: 06/05/2025

Reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L

Authorized Signature:

Nathaniel Hershberger / CRS Release Authority

[illegible]

www.wellsac.com

AIRFRAME LOG



Authorized Signature: Nathaniel Hershberger
Nathaniel Hershberger / CBS Release Authority

[illegible]

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE: Cirrus Design Corp
MODEL: Sr22t
S/N: 9225
REG. NO: N312DY
WORK ORDER: KTYS29728-06-2023



CIRRUS Cirrus Factory Service Center

Repair Station No. 9B0R988C
114 Cirrus Landing
Alcoa, TN 37701
Phone: 865-980-8702

DATE: 6/8/2023
A/C TSN: 20.9
TACH: 20.9

Airframe Entries

- (3) Performed research of the aircraft logbooks for applicable Airworthiness Directives through bi-weekly 2023-12. No AD's due at this time.
- (4) Performed research of the aircraft records for any mandatory service bulletins that are due. No SB's due at this time.
- (5) Performed Cirrus Maintenance Program CMX 25 Hour Servicing.
- (8) Serviced gascolator IAW Cirrus SR22T AMM 28-20.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS 9B0R988C.

DATE: 6/8/2023

SIGNED:

Mark Comeaux
Certified Repair Station No. 9B0R988C

Work Order: KTYS29728-06-2023

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WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 06-27-2023
Work Order: S9902
N312DY S/N 22T-9225
Flight Time: 46.3
Hobbs Meter: 58.5
TTAF: 46.3

AIRFRAME LOG



Performed a Cirrus recurring 50 flight hour CMX Inspection/Service interval with reference to the CMX 50 Hour Inspection checklist and applicable sections of Cirrus CDC SR22/22T AMM P/N 13773-002 Rev. 4. Cleaned gascolator, reinstalled using new "O" ring P/N MS29513-137 and seal P/N NAS1523-8B. Performed engine oil & filter change, see engine log this date. Installed new NLG strut fairing to cowl seal P/N 53361-001 (37").

All work was performed with reference to applicable sections of CDC SR22/22T AMM P/N 13773-002 Rev. 4. I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:

Chad J. Koehn / CRS Release Authority

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



WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: **01-10-2024**
Work Order: **S9991**
N312DY S/N 22T-9225
Flight Time: **106.5**
Hobbs Meter: **129.9**
TTAF: **106.5**

AIRFRAME LOG



Performed a Cirrus recurring 100 flight hour CMX Inspection/Service interval with reference to the CMX 100 Hour Inspection checklist and applicable sections of Cirrus CDC SR22/22T AMM P/N 13773-002 Rev. 4. Cleaned gascolator, reinstalled using new "O" ring P/N MS29513-137 and seal P/N NAS1523-8B. Performed engine oil & filter change, see engine log this date. Removed distribution manifold 5 port assembly with light P/N 102N0235-1 Rev. A, installed new distribution manifold 5 port with light P/N 102N0230-2. Installed new upper nose strut fairing seal P/N 53361-001 (38"). Serviced oleo strut with nitrogen as needed.
- C/W Cirrus **SB2X-93-03** (EVS Camera Installation) by installing EVS camera P/N 70770-001, S/N 160421 per this service bulletin instructions.

All work was performed with reference to applicable sections of CDC SR22/22T AMM P/N 13773-002 Rev. 4.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: _____

Chad J. Koehn
Chad J. Koehn / CRS Release Authority

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF
COMPLETION

AIRCRAFT TIME
IN SERVICE

DESCRIPTION OF WORK PERFORMED
OR APPROVED DATA USED

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

MAKE: Cirrus Design Corp
MODEL: Sr22t
S/N: 9225
REG. NO: N312DY
WORK ORDER: KTYS31645-04-2024



CIRRUS Cirrus Factory Service Center

Repair Station No. 9B0R988C
114 Cirrus Landing
Alcoa, TN 37701
Phone: 865-980-8713

DATE: 4/19/2024
A/C TSN: 149.5
TACH: 149.5

Airframe Entries

- (3) Performed research of the aircraft logbooks for applicable Airworthiness Directives through bi-weekly 2024-07. No ADs due at this time.
- (4) Performed research of the aircraft records for any mandatory service bulletins that are due.
- (5) Performed Cirrus Maintenance Program CMX 50 Hour Servicing.
- (9) Serviced gascolator IAW Cirrus SR22T AMM 28-20.
- (10) Serviced brake fluid reservoir IAW Cirrus AMM 12-10.
- (13) Complied with SB2X-21-07 Air Conditioning Compressor Drive Pulley Inspection.
No Action Required Per Part Serial Number Range. Drive Assembly S/N: 2343.
- (14) Complied with SB2X-25-30R1 Crew Seat Back Break-Over Bolt Adjustment.
- (15) Complied with SB2X-42-23R1 Perspective+ update v2647.N9 Integrated Avionics System.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS 9B0R988C.

DATE: 4/19/2024

SIGNED:

Scott Woody
Certified Repair Station No. 9B0R988C

Work Order: KTYS31645-04-2024

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MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620) 663-1546
www.wellsac.com

Date: **10-11-2024**
Work Order: **S10227**
N312DY S/N 22T-9225
Flight Time: **213.7**
Hobbs Meter: **257.8**
TTAF: **213.7**

AIRFRAME LOG



Performed a Cirrus recurring 50 hour CMX Inspection/Service interval with reference to the CMX 50 Hour Inspection checklist and applicable sections of Cirrus CDC SR22/22T AMM P/N 13773-002 Rev. 5 (06/2024). Cleaned gascolator, reinstalled using new O-ring P/N MS29513-137 and seal P/N NAS1523-8B. Performed engine oil & filter change, see engine log this date. Serviced Oxygen to 1900 Psi. Serviced TKS (3 gallons TKS fluid). LH interior door panel is loose at top of window, installed Dual Lock P/Ns 50494-001U (18") & 50494-002U (18") along door panel above window. Stripes on outside of RH door coming off, sent pictures Cirrus Field Service. Customer reports CO detector going off randomly on climb out, pressure tested exhaust, found normal leakage at slip joints, inspected seal on air conditioner condenser, no defects noted, inspected seals on firewall, no defects noted. Removed NLG wheel pant, sent to outside vendor for repair and paint, reinstalled NLG wheel pant after repair and paint.

All work was performed with reference to applicable sections of CDC SR22/22T AMM P/N 13773-002 Rev. 5 (06/2024).

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: _____

Chad J. Koehn / CRS Release Authority

MAINTENANCE RECORD



WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 06-05-2025
Work Order: S10259
N312DY S/N 22T-9225
Flight Time: 251.6
Hobbs Meter: 302.1
TTAF: 251.6

AIRFRAME LOG



Performed a **CMX Annual Inspection** in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D; with ref. to the Cirrus SR22/22T AMM P/N 13773-002 Rev. 7 (04/2025) chapter 5 & Precise Flight ICA Doc. #102NMAN0003 Rev. H, sec. 2.7. C/W FAR 91.207(d) by inspection and functional check, found satisfactory. ELT battery expires (03/2029). Performed engine oil & filter change, see engine log this date. Replaced damaged stripes on exterior of LH & RH cabin doors with new stripes P/N 12343-XXX-Fuse-FLH & P/N 12343-XXX-Fuse-FRH. Replaced Pilot interior door trim with new trim P/N 45934-015 (1), using new dual lock P/N 50494-003 (8'). LH cabin door armrest fabric is coming loose, new part is on backorder, install new armrest once available. Updated firmware from 2.80V to 2.90V on Garmin 510 card. C/W Cirrus CMX 24-month special inspection/service interval items: Installed new #2 batteries P/N 50979-001 (2), next due (06/2027), Performed GSM 86 servo clutch test, all values are within specification, no discrepancies noted, next due (06/2027), Performed GMU 44 Magnetometer calibration, next due (06/2027). Installed new ice protection filter P/N 21986-203 (1), using new O-rings P/N 21986-206 (1) & 15164-094B (2), next due (06/2027). Removed LH MLG tire P/N 025-501-0, S/N 2299T00196, due to being flat spotted, installed a new tire P/N 025-501-0, S/N 4323T00039, using a new "O" ring P/N 31493-110 (1). Removed RH MLG tire P/N 025-501-0, S/N 2301T00131, due to being flat spotted, installed a new tire P/N 025-501-0, S/N 4297T00080, using a new "O" ring P/N 31493-110. Nose gear fork tension is too low. Removed nose gear fork assembly, found spindle cup & bushings to have had grease previously applied to them, cleaned grease off of bushings & cup, reinstalled nose gear fork assembly using a new thrust washer P/N 50545-001 (1), & set nose fork tension per AMM 32-20. Removed battery #1 P/N RG24-11M, S/N 41279480, due to failed capacity test, installed a new battery #1 P/N RG24-11M, S/N 41444773. Performed nose gear strut 100-hour inspection per AMM 32-20, no defects noted, next due (351.6 flight hours). C/W Cirrus Recommended SB2X-24-18 (Convenience System Controller Replacement) by removing convenience system controller P/N 36517-005, S/N 0638 and installing new convenience system controller P/N 36517-505, S/N 0652 per this service bulletin. Performed Adjustment/Test Key Fob pairing per AMM 52-10, 1 Key Fob programmed, Operational test satisfactory.

- All applicable AD's have been complied with at this time thru AD 2024-24-11 (AD 2024-24-11 due at 1200 flight hours), see AD & SB listing placed with logbooks.

All work was performed with reference to applicable sections of the Cirrus SR22/22T AMM P/N 13773-002 Rev. 7 (04/2025); Precise Flight I.C.A. Doc. #102NMAN0003, Rev. H and CMI TSIO-550-B, C, E, G, K and N Permold series Engine Maintenance and Overhaul Manual M-18, Rev.1, Change 1 (11/2023), CMI M-0, Rev.1, Change 6 (08/2024), and was ground checked for operation, security and leakage; found satisfactory at this time.

I certify that this Aircraft has been inspected in accordance with a **CMX Annual Inspection** and was determined to be in an airworthy condition. I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Louis J. Eilerts

Louis J. Eilerts / CRS Release Authority

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

2.3

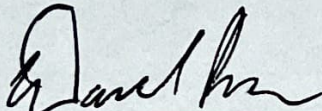


CIRRUS
AIRCRAFT

Production Flight Test accomplished in accordance with Cirrus
Procedure #90504.

Name: Dan Ryan

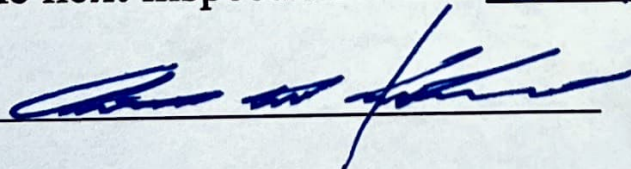
Title: Production Flight Test Pilot

Signature: 

Date: 4/MAY/2023

2.3

I find that the aircraft meets the requirements for the
certification requested and have issued an U.S. Standard
Airworthiness Certificate dated 11 / May / 2023.
The next inspection is due 31 / May / 2024.



Aaron S. Knudsen
ODA-834662-CE