

# AIRCRAFT TECHNICAL RECORD

## Section 1. AIRFRAME LOG

AIRCRAFT DATA

- 1. Nationality & Registration N124DL
- 2. Manufacturer's Designation  
(Make & Model) SR22T
- 3. Manufacturer's Serial  
Number 2437
- 4. Type Approval or  
Specification Number \_\_\_\_\_
- 5. Date of Manufacture \_\_\_\_\_
- 6. Aircraft Inspection Cycle \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Section 1: Airframe Log

DATE / /	AIR TIME		LANDINGS / CYCLES	
	DAILY TOTAL	TOTAL	DAILY	TOTAL

CARRIED FORWARD

**CROWNAIR**  
 FAA Approved Repair Station #CWNR273K  
 3753 John J. Montgomery Dr.  
 San Diego, CA 92123

N174DL  
 12-21-18

Cirrus SR22  
 Hobbs: 1267.6 Hrs

S/N: 2437  
 Flight Hour Meter: 1226.9 Hrs

**Maintenance performed:**

- Completed **Annual Inspection** using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105. Researched ADs through bi-weekly issue of this date, all ADs are in compliance at this time.
- Complied with annual ELT inspection and functional test I/A/W FAR 91.207(d), all checks OK. Battery due date: MARCH 2024.
- Replaced ELT remote switch battery with new P/N L28. System checks good. Battery due date MARCH 2027.
- Replaced CAPS line cutters by installing Cirrus kit P/N 25347-002, containing new line cutters P/N 26707-001 S/N 14059 & 14062 date of MFR. 8/2018. Work done with Ref. to Cirrus CAPS CMM 15994-001 Rev. E, 95-01-01. Due replacement 8/2024.
- Complied with Cirrus **SB 2X-32-19R3** by inspection of upper gusset plate and forward nose gear strut fillet welds and no defects noted at this time.
- Complied with Cirrus **SB 2X-95-24R1** by installing Cirrus Kit P/N 70572-001.
- Complied with **Precise Flight ICA - STC SA01708SE Cirrus Design SR22/SR22T Built-In Oxygen System**, Doc. No. 102NMAN0003 Rev. G. No defects noted at this time.
- Reinstalled oxygen bottle after hydro test by Compressed Gas Systems. Serviced system to 2000psi, leak checks good. Cylinder life expires 12/2021.
- Installed new well nut P/N 50802-001 for Right main gear upper fairing.
- Installed new Left and Right cabin door hold open struts P/N 18200-003.
- Installed new Left and Right brake caliper shims P/N 068-01100.
- Installed new cabin fire extinguisher P/N A344T.
- Adjusted nose wheel fork breakaway torque to 25lbs.

I certify that this aircraft has been inspected in accordance with an **Annual Inspection** and was determined to be in airworthy condition.

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-18-08418.

*[Signature]*  
 Authorized Representative

PAGE TOTALS

CARRY FORWARD to Top of Next Page

Installed  
 P/N: 124  
 P/N: 124  
 P/N: 124  
 P/N: 156  
 124J00  
 work

Jerma



**CIRRUS SR**  
**HOBBS: 13**  
 Removed GT  
 Interfaced to  
 Installed in a  
 SA01714W1  
 corresponder  
 system was s  
 Provided nev  
 Updated GN  
 Rev. A, date  
 dated April 3  
 Aircraft, airf  
 in accordanc  
 return to ser  
**Work Orde**

Signed:

Advanced Aircraft Service  
 8622 Gibbs Dr.  
 San Diego, CA. 92123  
 858-560-7599 Fax 858-560-7507  
 CESSNA SERVICE CENTER

LICENCE:  
 AME or  
 AMO/ACA

Date: March 22, 2019 N#: 174DL Model: SR22 S/N:2437  
 Tach/Flight: 1229.0 Engine Model: IO-550-N (46) Engine Serial: 690820

Installed all new oil and fuel lines per TAT SI17-01 from Aviall Hose shop Order No. 1004843035. Hose  
 P/N: 124J001-4CR0080, P/N: 124J003-4CR0360 P/N: 124J002-4CR0227(2) P/N: 124J002-8CR0200  
 P/N: 124J002-6CR0200(2) P/N: 124J003-8CR0226 P/N: 124J002-6CR0100(2) P/N: 124J002-4CR0080  
 P/N: 124J012E0206C180 P/N: 124J001-8CR0190(2) P/N: 124J001-3CR0100 P/N: 124J002-8CR0120  
 P/N: 156F005-4S0140 P/N: 124J001-4CR0070 P/N: 124J002-4CR0140(2) P/N: 156F001-6D0080 P/N:  
 124J003-4CR0105. Performed ground run up and leak check, no abnormalities noted at this time. All  
 work was performed in accordance with all current applicable service manuals. I certify the work  
 accomplished to be airworthy at this time and return to service.

Jerman Isac Ramos



A&P: 3818250

-----END-----



**CIRRUS SR22, SN 2437, N174DL**  
**HOBBS: 1319.2 FLT: 1285.7**

Removed GTX327 Transponder and installed GTX335 SN 3EE021334. C.R.S. QI2R110L  
 Interfaced to existing encoder pulse antenna and GNS430W for position source.  
 Installed in accordance with mfrs. installation instructions, AC 43.13 1b and AML/STC  
 SA01714WI. Tested unit per FAR 91.413 and 91.217 for transponder operation and data  
 correspondence. Weight change negligible. Filed FAA Form 337. The installed ADS-B 'Out'  
 system was shown to meet the equipment performance requirements of 14 CFR section 91.227.  
 Provided new AFMS, ICA's. Removed #2 Com antenna and installed new CI-122 SN 614990.  
 Updated GNS40W's software to current version 5.40 (main) per software service bulletins #1762,  
 Rev. A, dated Nov. 16, 2017 and GPS software to version 5.0 per service bulletin #1317 Rev. A  
 dated April 30, 2013. Provide AFMS and ICA's. Function tested.  
 Aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected  
 in accordance with current Regulations of the Federal Aviation Administration and is approved for  
 return to service. Pertinent details of the repair are on file at this repair station under:

Work Order #26244

DATE: 09/27/2019

Signed:



10000 Flying Cloud Drive  
 Eden Prairie, MN 55347

952 / 941-2783  
 800 / 525-2783  
 fax 952 / 941-0206

CAS  
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# Action 1: Airframe Log

DA  
CARR  
FORW



10000 Flying Cloud Drive  
Eden Prairie, MN 55347

PAIRS & REPLACEMENT)

952 / 941-2783  
800 / 525-2783  
fax 952 / 941-0206

**CIRRUS SR22, SN 2437, N174DL**  
**HOBBS: 1319.2 FLT: 1285.7**

I certify that the altimeter, static system, transponder, and altitude reporter test required by FARs 91.411, 91.413 & 91.217 have been performed and found to be within limits of FAR 43 appendix E, para. C and appendix F. Tested to 25,000 feet.

**Altimeter model:** #1 - 15222-004 SN 20076087  
#2 - 5934AD-3 SN 459699  
**Transponder:** #1 - GTX335 SN 3EE021334  
**Altitude Reporter:** #1 - ACK A-30 SN 105295  
**WO # 26244 DATE: 09/27/2019**

BY: *[Signature]*



A/C Make/Model: Cirrus SR22  
A/C S/N: 2437

N174DL  
12-26-2019  
Work Order 12834

Flying Cloud Airport  
14801 Pioneer Trail  
Eden Prairie, MN 55347  
PH: 952-697-3170

Flight Hobbs: 1296.2  
ACTT: 1296.2  
Hobbs: 1325.9

Completed the following Airframe Maintenance and/or Inspection(s):

**Inspections:**

- Complied with an annual inspection this date referencing Cirrus SR22 MM 5-20 inspection report and FAR 43 Appendix D.
- Performed 12 month ELT inspection per FAR 91.207d, no defects noted. Battery replacement due 3-2024.

**Time Limited Items:**

- Complied with 2 year / 500 hour replacement of #2 batteries. Installed new #2 batteries P/N: 50979-001. Ref: Cirrus SR-22 AMM 24-30.
- Removed #1 battery PN G-243 SN G02909548. Serviced new battery PN G-243 SN G03052644 and charged referencing Gill Instructions, Activation, Charging, and Continued Airworthiness TBP 1560 Rev. I. Installed new battery in aircraft referencing Cirrus SR22 AMM 24-30.
- Removed gascolator. Cleaned screen and reinstalled gascolator with new O-rings MS29513-137 and NAS1523-8B. Ref: Cirrus SR-22 AMM 28-20.
- Removed inflator P/N: 508794-401 No S/N from pilot seat and inflator P/N: 508794-401 No S/N from copilot seat. Installed new inflator P/N: 20902-005 S/N: Z7181335186 in pilot seat and installed new inflator P/N: 20902-005 S/N: Z718207921 in copilot seat. Installed seat covers on both seats. Ref: Cirrus SR-22 AMM 25-10.
- Accomplished 12 month Precise Flight Oxygen system ICA inspection items per manual 102NMAN003. No defects noted. Serviced with Aviators breathing oxygen.
- Performed 5 year replacement of O-rings, P/N OX020210 in CPC connections on breathing stations. Ref: Precise flight Doc 102NMAN0003
- Performed 500 hour Verification of proper torque of engine mount and lower mount attach fittings. No defects noted. Ref: Cirrus SR22 MM 71-20.
- Accomplished 300 and 500 hour lubrication items. Ref Cirrus SR22 MM 12-10.

**AD's & Service Bulletins:**

- SB2X-05-01:** Complied with SB2X-05-01. Removed brake calipers. Removed light surface corrosion and installed new O-rings PN:101-34500. Reinstalled Pistons into calipers. Reinstalled calipers on aircraft. Removed old brake temperature stickers and installed new brake temperature Label kit PN:70227-002.
- SB2X-32-19 R3:** Complied with SB2X-32-19R3 by inspecting nose landing gear strut assembly for cracks using dye penetrant. No cracks noted. covered paint stripped area with LPS 3.
- Reviewed AD's through Bi-Weekly 2019-26

**Maintenance & Service Items:**

- Removed old sealant around cabin door windows. Applied sealant PN: PR1829B1-2 to cabin door windows. Ref: Cirrus SR22/SR22T AMM 56-30.
- Installed "Push to Open" placards on both cabin doors near latch.
- Removed pilots R/H brake master cylinder PN14269-001. Installed new brake master cylinder PN: 14269-001. Bled brakes. Ref: Cirrus SR22 MM 32-42
- Replaced LH and RH flap torque tubes using NEW L/H PN: 10320-004 and R/H PN: 10322-004 flap torque tubes. Ref: SR22 AMM 27-50.
- Replaced upper rudder hinge bolt using new bolt AN3-6 and nut MS17825-3 and cotter pin. Ref: Cirrus SR22 MM 27-20.
- Fabricated and installed doubler using .063 2024-T3 aluminum for RH intercooler upper mounting flange.
- Installed new "Rescue: Fracture and Remove Window" placard PN:12437-007 below both cabin door windows.
- Replaced co-pilot Bose headset jack using NEW P/N 51208-002.
- Removed pilot seat from aircraft.
- Removed cover from seat, removed center panel an seat back leather, fabricated new section of seat back using Garrett R9550 Resilience Quartz perforated to match, reinstalled seat cover on back of seat. Installed pilot Seat.

CONTINUED NEXT PAGE

PAGE  
TOTALS

CARRY FORWARD to Top of Next Page

ALTIMETER SCALE  
CORRECTION CARD

57BY

ALTIMETER S / N 459699  
PART NO. 5934 AD-3

REFERENCE ALTITUDE IN FT.	ALTIMETER READS	REFERENCE ALTITUDE IN FT.	ALTIMETER READS
-1000	+10	14000	-10
0	0	16000	-10
500	+10	18000	0
1000	+10	20000	0
1500	+20	22000	+30
2000	+20	25000	+60
3000	+20	30000	}
4000	+20	35000	
6000	+20	40000	
8000	+10	45000	
10000	0	50000	
12000	0		

Tested by: ck

Inspector: [Signature]

Date: 9-27-19



**MODERN AVIONICS**

C.R.S. Q12R110L

**952/941-2783**

**800/525-2783**

10000 Flying Cloud Drive  
Eden Prairie, MN 55347

NAME/  
SIGNATURE

LICENCE:  
AME or  
AMO/ACA

CONTINUED FROM PREVIOUS PAGE

- Removed old flap switch MFG PN C4D0312N-A. Configured switch to have two detents. Soldered in new flap switch PN 50336-002. Installed new flap switch into aircraft. Ref: Cirrus SR22 AMM 27-50.
- Rigged cold air valve to close properly when temperature control is set to hot. Operational check satisfactory. Ref: Cirrus SR22 AMM 21-40 and 21-20.
- Removed nose and main wheels from aircraft. Broke down wheels and removed tires. Removed paint and inspected pitting on wheel halves. Found no excessive pitting. Applied MIL-M-3171 Type VI, primed, and painted wheel halves. Reassembled wheels. Installed wheels on aircraft. Work performed referencing Cleveland CMM AWBCMM0001-21/USA and Cirrus SR22 AMM 32-41.
- Removed pilots R/H brake master cylinder PN14269-001. Installed new brake master cylinder PN: 14269-001. Bleed brakes and inspected for leaks. Ref: Cirrus SR22/SR22T MM 32-42.
- Adjusted flap travels using proximity collar, found travels to be within limits after adjustment. Ref: Cirrus SR22 AMM 27-50.
- Removed flap torque tubes from aircraft, Left P/N: 10320-004 and Right P/N: 10322-004. Installed new torque tubes with torque tube end fittings in aircraft. Ref: SR22 AMM 27-50.
- Removed left inboard, middle, and outboard flap pivot arms. Received new pivot arms PN 14571-007 NSN, 14572-004 NSN, 14573-004 NSN. Drilled and reamed holes in new pivot arms. Installed new pivot arms into left wing. Verified rig of ailerons, verified bungee deflection, verified flap rigging, found to be within limits. Ref: Cirrus SR22 AMM 57-50, 57-40, 27-10, 6-00, 57-30, and 57-10.
- Removed right inboard and middle flap pivot arms. Received new pivot arms PN 14571-008, NSN and 14572-004, NSN. Drilled and reamed holes in new pivot arms. Installed new inboard and middle pivot arms into right wing. Verified rig of ailerons, verified bungee deflection, verified flap rigging, found to be within limits. Ref: Cirrus SR22 AMM 57-50, 57-40, 27-10, 6-00, 57-30, and 57-10.
- Removed surface corrosion from left and right elevator upper aft skin leading edges. Applied alodine. Removed rivets as needed and installed new rivets. Applied touch up paint. Reference AC 43.13-1b Chapter 6.
- Removed elevator bellcrank. Installed new elevator bellcrank P/N: 14914-001 002 in empennage. Tightened elevator control cables to 40 pounds. Ref: Cirrus SR-22 AMM 27-30 and 27-20.
- Removed rudder bellcrank. Installed new rudder bellcrank P/N: 14912-002 in empennage. Tightened rudder control cables to 40 pounds. Ref: Cirrus SR-22 AMM 27-30 and 27-20.
- Disconnected nose strut from nose landing gear. Replaced bushing PN 17481-001. Reassembled puck stack using new pucks PN 13386-001 along with bumper PN 18380-001. Reattached strut to nose landing gear. Ref: Cirrus SR22 AMM 32-20.
- Removed nose wheel fork PN: 11638-003. Installed new nose wheel fork PN:11638-003 CSO:1017327 on aircraft. Performed Adjustment/Test- Nose Wheel Fork Assembly. Ref: SR22 / SR22T AMM 32-20.
- Removed nose wheel from aircraft. Disassembled wheel and removed tire. Removed paint and inspected pitting on wheel halves referencing Cleveland CMM AWBCMM0001-21/USA Page 318. Found no excessive pitting. Prepped surface with MIL-M-3171 Type VI metal treatment, primed, and painted wheel halves. Reassembled wheel. Installed wheel on aircraft. Ref: Cleveland CMM AWBCMM0001-21/USA and Cirrus SR22 AMM 32-41.
- Adjusted rudder aileron interconnect bungee to obtain proper limits. Verified bungee doesn't interfere with aileron trim. Ref: Cirrus SR22 AMM 27-20.
- Post maintenance operational and leak check found to be satisfactory.

I certify that the aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition and is approved for return to service with respect to the work performed. Pertinent details of this repair and/or inspection are on file at this repair station under **Work Order # 12834**  
Dated **12-26-2019**

Authorized Signature: Bradley S Corso Bradley S Corso  
For Premier Jet Center FAA CRS #6EXR899B  
End

Hobbs 1342.2  
FLT 1315.9  
5-23-20 Replaced Flap Relay (up Travel) P/N 50288-001  
verified ops. Brian J. Johnston Atp 2724988 IA  
Brian J Johnston



**CIRRUS SR22TN, SN 2437, N174DL**  
**HOBBS: 1432.0 FLT: 1407.4**

Installed EX5000 PFD after Mod 55 for DFC90 interface.  
Installed EX5000 MFD after factory repair. Removed System 55X computer and installed DFC90 Computer SN M203582878 IAW STC SA00296BO.  
Interfaced to flap wiring in accordance with Dwg. #901-00040-000. Configured autopilot with PFD. Performed magnetometer calibration. Weight change negligible. Provided new AFMS and ICA's.  
Aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:

**Work Order #26685** **Date: 01/02/2021**

Signed: [Signature]

10000 Flying Cloud Drive  
Eden Prairie, MN 55347

952 / 941-2783  
800 / 525-2783  
fax 952 / 941-0206

C.R.S. QI2R110L

# Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)



A/C Make/Model: Cirrus SR22  
A/C S/N: 2437

N174DL  
1/13/2021  
Work Order 13603

Flying Cloud Airport  
14801 Pioneer Trail  
Eden Prairie, MN 55347  
PH: 952-697-3170

Hobbs: 1432  
Flight: 1411.5

Completed the following Airframe Maintenance and/or Inspection(s):

**Inspections:**

- Completed Annual inspection this date referencing Cirrus SR-22 AMM 5-20 and FAR 43 Appendix D.
- Performed 12 month ELT inspection per FAR 91 207d. no defects noted. ELT ACK-01, S/N 056828, Battery replacement Date 3-2024
- Completed annual inspection of fire extinguisher, no defects noted.
- Completed 12 month precise flight ICAs. Performed functional check of oxygen system, no defects noted. Checked wiring, no defects noted. Checked O2 system for security and condition of O2 bottle, no defects noted, re-torqued nuts for bottle, check security of oxygen lines, no defects noted, and cleaned filler port of O2 bottle. Note Altitude annunciator check needs to be accomplished in flight. Printed instructions for pilot and left in aircraft. Reference precise flight doc 102NMANN0003 section 2.7.1.

**Time Limited Items:**

- Removed prop governor PN C2900D3-R/T23 SN 061630 Installed overhauled propeller governor P/N C2900D3-R/T23 S/N: 061630 Reference Maxwell Aircraft Service UF2R211L W/O. 125129 dated 12/15/2021. Ref Cirrus SR-22 AMM 61-20.
- Removed and replaced TKS filter PN 26115-101 using new seals PN 15164-092B. Ref. Cirrus SR 22 MM 30-05 pg6. Next due January 2023 or 2611.5 hours whichever occurs first
- Installed 4 Precise Flight Oxygen A5 constant flow meters P/N 027N003-1 in aircraft. Next due January 2025
- Completed 100 hour lubrication items. Reference Cirrus SR-22 AMM 12-20.
- Completed 200 hour lubrication items. Reference Cirrus SR22 AMM Ch. 12-20

**AD's & Service Bulletins:**

- Reviewed AD's and SB's through Bi-Weekly 2021-01
- Cirrus SB2x-53-10:** Complied with Cirrus SB2x-53-10. Removed old airframe side door seals and removed foam door seals from doors. Installed new cabin door seals P/N 52010-010. Ref Cirrus SB2x-53-10.
- Cirrus SB2X-27-18R2:** Complied with SB2X-27-18R2. Removed Rudder aileron interconnect assembly from aircraft. No longer need to replace bungee Ref. SB2X-27-18R2.
- Cirrus SB2X-71-04:** Completed SB2X-71-04. Installed winterization kit P/N. 70102-002 in cowl inlets. Ref. SB2X-71-04.
- Cirrus SB2X-32-19R3:** Completed Cirrus SB2X-32-19R3 Nose landing gear strut assembly inspection. No defects found. Ref. Cirrus SB2X-32-19R3

**Maintenance & Service Items:**

- Installed new Propeller TKS feed tube P/N. 15388-007 with new o-ring P/N. 15164-091B. Reference Cirrus SR-22 AMM 30-05.
- Removed gascolator. Cleaned screen and reinstalled gascolator with new o-rings MS29513-137 and NAS1523-BB. Leak check satisfactory. Ref Cirrus SR-22 AMM 28-20
- Removed Oxygen manifold assembly and sent to Precise flight for repair. Installed repaired distribution manifold P/N: 102N0232-1. Reference Precise flight W/O. 113599 Dated 01/07/2021. Operational check of light and manifold satisfactory. Ref Precise flight Document Number 102NMANN0003 Section 3.4
- Lubricated control quadrant and cable on engine end. Ref Cirrus SR-22 AMM 76-10 and 12- 20.
- Installed new Engine air filter P/N: 33-2022. Ref Tornado Alley Turbo ICA Document Number 22-6460004.
- With air filter box removed. Removed cracked upper edge. Fabricated patch from 2024 T3 0.04" Aluminum. Installed Patch on air box with MS20470AD4-3.5 rivets. Ref AC43 13-1b Chapter 4.
- Removed starter. Replaced o-ring P/N: AS3578-038 on starter. Installed starter. Ref Cirrus SR22 AMM ch. 80-10 Reference Continental MM appendix B table B-2
- Removed Flight Hobbs air differential pressure switch PN 14128-001. Installed new differential pressure switch PN 14128-001. Operational test satisfactory. Ref. Cirrus SR22 AMM rev. B8, ch. 31-30.
- Adjusted Elevator cable tension to within limits at this time. Reference Cirrus SR-22 AMM 27-30 and 6-00
- Fabricated and installing patch on R/H flap. Removed rivets as needed from R/H flap leading edge skin for access. Fabricated patch from 0.032" 2024 T3 aluminum. Installed Patch on R/H flap using CR3214-4-03 rivets. Reinstalled rivets holding down leading edge skin. Primed and painted patch. Applied chafe tape as needed over patch. Adjusted flap well access panel that was causing chafe. Ref AC43.13-1b chapter 4. And Cirrus SR-22 AMM 57-50.
- Removed surface corrosion from fillet welds and inside of gusset plates on nose landing gear. Treated areas with LPS3.
- Used sealant P/N CS3204B1-2 to secure LH wing root fairing to bottom of wing.
- Removed Glare shield. Recovered glareshield brow with XL leather GL glareshield material. Painted glareshield to match. Installed glareshield. Reference Cirrus SR-22 AMM 25-10.
- Removed left and right steps for re coating. Installed left and right steps after powder coating. Reference Cirrus SR-22 AMM 53-20.
- Post maintenance operational and leak check found to be satisfactory.

I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and was determined to be in airworthy condition and is approved for return to service with respect to the work performed. Pertinent details of this repair and/or inspection are on file at this repair station under **Work Order # 13603 Dated 1/13/2021**

Authorized Signature: Bradley S Corso Bradley S Corso

For Premier Jet Center FAA CRS #6EXR899B

----- End -----

PAGE TOTALS

CARRY FORWARD to Top of Next Page

Date: 1/13/2021  
Aircraft: Cirrus SR22  
Engine: Cirrus IO-360  
Changed: [ ]  
Signature: [ ]





**MODERN AVIONICS**

10000 Flying Cloud Drive  
Eden Prairie, MN 55347

952 / 941-2783  
800 / 525-2783  
fax 952 / 941-0206

AME/ NATURE	LICENCE: AME or AMO/ACA
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**CIRRUS SR22, SN 2437, N174DL**


**HOBBS: 1516.0 FLT: 1479.6**

Removed GA35 SN 47008 and installed SN 207962. Sealed and function tested.

Aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:

**Work Order #27046**

**DATE: 10/13/2021**

Signed: 

**Date: 11/13/2021**

**Aircraft: N174DL; Type: SR22TN; S/N: 2437**

**Hobbs: 1526.4**

**Flight: 1488.6**

**Engine: IO-550-N, S/N: 690850**

Changed oil and filter (P/N CH-48108-1). Serviced with 7 quarts Phillips 20W50 X/C. Operational and leak checks good.

Signature

  
James E. Hubbard, Owner

# Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		

DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)

PFD 15222-004  
 Altimeter P/N EX5000 S/N 20076087 Date 1-29-22

STDBY 5934AD-3 459699 Date 1-29-22

Reference Altitude	Altimeter	Reference Altitude	Altimeter
-1000	-1020	12000	11980
0	-20	14000	13980
500	480	16000	15960
1000	980	18000	17960
1500	1480	20000	19960
2000	1980	22000	-
3000	2980	25000	-
4000	3980	30000	-
6000	5980	35000	-
8000	7970	40000	-
10000	9970	45000	-
Inspector	Douglas Haake	50000	-

Reference Altitude	Altimeter	Reference Altitude	Altimeter
-1000	-1020	12000	11980
0	-10	14000	13970
500	490	16000	15960
1000	1000	18000	17960
1500	1500	20000	19980
2000	2000	22000	-
3000	3010	25000	-
4000	4000	30000	-
6000	6000	35000	-
8000	7980	40000	-
10000	9970	45000	-
Inspector	Douglas Haake	50000	-

I certify that the altimeter, static systems, transponder, and altitude reporter test required by FAR's 91.217, 91.411 & 91.413 have been performed and found to be within the limits of FAR 43 Appendices E & F and AC 43-60

Tested to 20,000 feet on 1-29-22  
 Transponder: Mfg. Garmin Model GTX335 S/N 3EE 021334  
 Encoder: Model ACK P/N A-30 S/N 105295  
 Altimeter #1: Mfg. Avidyne S/N EX5000 S/N 20076087  
 Altimeter #2: Mfg. UNITED P/N 5934AD-3 S/N 459699

Doug's Testing LLC  
 CRS 6DHR4918  
 Signed Douglas Haake

MAINTENANCE RELEASE

Date: 1-29-22 Make Cirrus Model SR22  
 Reg. # N1740L P/N - S/N 2437  
 Tach: 1489.5 Hobbs: 1527.6 Total Time: 1489.5

This aircraft and/or appliance was repaired and/or inspected in accordance with current FAR's and is approved for return to service. Pertinent details are on file under work order

to 100-542  
 Signed: Douglas Haake for

Doug's Testing LLC  
 210 12th Street  
 Proctor, MN 55810  
 CRS 6DHR4918

NAME/  
SIGNATURE

LICENCE:  
AME or  
AMO/ACA



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

Date: 2/15/2022; Aircraft: N174DL; Type: SR22; S/N: 2437; Hobbs: 1527.6; Total Time: 1489.5  
Shop Order #: 22-11329

Performed Annual Inspection on Aircraft IAW CDC AMM 5-20 and 5-30.  
Researched ADs and CDC Mandatory Service Bulletins and Service Advisories thru current bi-weekly 2022-03.  
Cleaned and lubricated airframe components, as required, IAW CDC AMM 12-20.  
Inspected tires and brakes IAW CDC AMM 5-20. Serviced brake reservoir.  
Serviced tires to proper air pressure.

Visually inspected N.L.G. upper webb for cracks. No cracks noted at this time.  
Tested ELT IAW FAR 91.207, tested good. Battery due: March 2024  
Checked operation of all lights. Cleaned and checked aircraft battery. Checked and lubed flight controls.  
Researched ADs and MSBs thru current Bi-Weekly 2022-03.  
Complied with SA21-16 by performing Inspection / Check of the CAPS I.A.W. AMM 95-00. No discrepancies noted at this time. (Due. Annually)

Updated A.D. and S.B. list in aircraft records  
Replaced bent lower door latch on co-pilots door with a new latch and rigged door latches.  
Work done I.A.W. SR22 AMM 52-10. Ops check of door ok.  
Installed two new #2 batteries Ops check ok. Next #2 battery replacement due: Feb. 28, 2024.

Pitot static transponder encoder due  
Doug's Testing. 24 month pitot Static Transponder encoder test C/W  
WO # 100-542

Next Due Jan/31/2024

Repaired elongated axle bolt hole in Right wheel fairing I.A.W. SR22 AMM Chapter 51.

Replaced missing Winter front mount wellnut in Left lower cowl.

Oxygen bottle is due for 15 year replacement.

Removed old Oxygen bottle and regulator vavluce assembly

Installed new Precise flight oxygen bottle and regulator assembly #102N0100-1 dated Jan 2022

Next Hydro test Jan 2027 Next replacement Jan 2037. Filled system with aviators breather oxygen and leak checked flow checked good.

I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.

Signature: \_\_\_\_\_

Rick Hagberg A&P 3268908 IA

Date: 10/17/2022

Aircraft: N174DL; Type: SR22TN; S/N: 2437

Hobbs: 1579.4

Flight: 1531.8

Engine: IO-550-N, S/N: 690850

Changed oil and filter (P/N CH-48108-1). Serviced with 8 quarts Phillips 20W50 X/C

Signature \_\_\_\_\_

James E. Hubbard, Owner

# Section 1: Airframe Log

DATE	
/ /	
DAILY	
HRS	
CARRIED FORWARD	


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

Date: 4/28/2023; Aircraft: N174DL; Type: SR22; S/N: 2437; Hobbs: 1586.9; Total Time: 1537.0  
 Shop Order # 23-11700  
 Performed Annual inspection on aircraft in reference to CDC AMM 5-20 and 5-30.  
 Researched AD's and MSB's Researched AD's and MSB's thru current Bi-Weekly: 2023-08.  
 Complied with SB2X-95-27R3 Replacement of CAPS Rocket Igniter.  
 Removed old ignitor from Rocket s/n 2406  
 Installed new ignitor Squib S/N 0122-09863 as per SB instructions  
 Visually inspected N.L.G. webb for cracks per S.B. 2X-32-19R3, no cracks noted.  
 Updated A.D. and S.B. list in aircraft records.  
 Removed expired E.M.A. P/N 508358-421 S/N: A12JUN15-89 L/N. 34770664 DOM: A0615 Rev: W  
 Installed new E.M.A. P/N. 508358-421 S/N: A25OCT22-15 L/N: 36286988 DOM: A1022 Rev: AB. Ops check ok. Work done Ref SR22 AMM 25-10.  
 Next E.M.A. replacement due: Oct. 31, 2029.  
 Performed Inspection / Check of the CAPS sytem REF AMM 95-00. No discrepancies noted at this time. (Due: Annually)  
 Cleaned and lubricated airframe components, as required, IAW CDC AMM 12-20. Inspected tires and brakes IAW CDC AMM 5-20 Installed new brake pads on left and right brakes. Ops check of brakes ok.  
 Tested ELT IAW FAR 91.207, tested good. ELT battery due 3/2024.  
 Battery 2 replacement due 2/2024  
 Complied with Instructions for Continued Airworthiness for Annual requirments for Precise Flight Oxygen System STC SA01708SE. I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.

*James Imberg*  
 A&P 2751176 IA

Date: 7/10/2023  
 Aircraft: N174DL; Type: SR22TN; S/N: 2437      Hobbs: 1615.9      Flight: 1559.5  
 Engine: IO-550-N, S/N: 690850  
 Changed oil and filter (P/N CH-43109-1). Serviced with 8 quarts Phillips 20W50 X/C  
 Signature: *James E. Hubbard*  
 James E. Hubbard, Owner


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

Date: 5/02/2024; Aircraft: N174DL; Type: SR22; S/N: 2437; Hobbs: 1653.0; Tach: 1588.8; Total Time: 1588.8  
 Shop Order # 24-12033  
 Performed Annual Inspection on Aircraft IAW CDC AMM 5-20 and 5-30.  
 Researched ADs and MSBs thru current Bi-Weekly: 2024-08  
 Complied with SB2X-25-30R1 by inspecting and adjusting as needed both front seats Seat Back Break Over Bolts.  
 Updated A.D. and S.B. list in aircraft records  
 Performed Inspection / Check of the CAPS I.A.W. AMM 95-00. (Electrical check Due: Annually). No discrepancies noted at this time.  
 Precise Flight Oxygen System STC SA01708SE.  
 Complied with Instructions for Continued Airworthiness for Annual requirments.  
 Installed a new ELT Battery Pack. Tested ELT IAW FAR 91.207, tested good.  
 Next ELT Battery Replacement due: March 2031.  
 Installed a new TKS Filter. Leak and ops check ok. Next TKS Filter replacement due: April 2026.  
 Installed two new #2 batteries. Ops check good. Next #2 battery replacement due: April 2026.  
 Removed both wingtips and sent to Midwest Painting for Re-painting.  
 Re-installed both newly painted wing tips using all new screws. Ops check of landing lights, nav and strobe lights ok.  
 Cleaned and lubricated airframe components, as required, IAW CDC AMM 12-20.  
 Inspected tires and brakes IAW CDC AMM 5-20. Serviced brake reservoir.  
 Serviced tires to proper air pressure.  
 Visually inspected N.L.G. upper webb for cracks. No cracks noted at this time.  
 Checked operation of all lights. Cleaned and checked aircraft battery. Checked and lubed flight controls. I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition.

Signature: *James Imberg*  
 James Imberg A&P 2751176 IA

PAGE TOTALS

CEMENT)

Altimeter P/N/E

Reference Altitude	
-1000	
0	
500	
1000	
1500	
2000	
3000	
4000	
6000	
8000	
10000	

Inspector: *Dolan*

NAME/  
SIGNATURE

LICENCE:  
AME or  
AMO/ACA

Altimeter P/N EX5000 S/N 20076087 Date 5-2-24

Reference Altitude	Altimeter	Reference Altitude	Altimeter
-1000	-990	12000	12000
0	0	14000	14000
500	500	16000	15990
1000	1000	18000	17990
1500	1500	20000	19990
2000	2000	22000	-
3000	3000	25000	-
4000	4000	30000	-
6000	6000	35000	-
8000	8000	40000	-
10000	10000	45000	-
Inspector: <u>Douglas Hark</u>		50000	-

Altimeter P/N 5934AD-3 S/N 459699 Date 5-2-24

Reference Altitude	Altimeter	Reference Altitude	Altimeter
-1000	-1000	12000	12010
0	10	14000	14000
500	510	16000	15990
1000	1020	18000	17990
1500	1520	20000	20020
2000	2030	22000	-
3000	3030	25000	-
4000	4030	30000	-
6000	6020	35000	-
8000	8010	40000	-
10000	10000	45000	-
Inspector: <u>Douglas Hark</u>		50000	-

I certify that the altimeter, static systems, transponder, and altitude reporter test required by FAR's 91.217, 91.411 & 91.413 have been performed and found to be within the limits of FAR 43 Appendices E & F and AC 43-6D

Tested to 20,000 feet on 5-2-24

Transponder: Mfg. GARMIN Model GTX 45 S/N 3EE 021331

Encoder: Model ACK P/N A-30 S/N 105295

Altimeter #1: Mfg. Avidyne P/N EX5000 S/N 20076087

Altimeter #2: Mfg. UNITED P/N 5934AD-3 S/N 459699

Doug's Testing LLC  
CRS 6DHR491B

Signed: Douglas Hark

MAINTENANCE RELEASE

Date: 5-2-24 Make Cessna Model: SR22

Reg. # N174DL P/N - S/N 2437

Tach: 1588.8 Hobbs: 1654.1 Total Time: 1588.8

This aircraft and/or appliance was repaired and/or inspected in accordance with current FAR's and is approved for return to service. Pertinent details are on file under work order

No. 100-688

Signed: Douglas Hark for

Doug's Testing LLC  
210 12th Street  
Proctor, MN 55810  
CRS 6DHR491B