

The Standard

AIRCRAFT LOG

ASA-SA-2

THE STANDARD® AIRCRAFT LOG
SA-2

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Aircraft Record General Information

Manufacturer CIRRUS DESIGN CORP. **Model** SR22

Serial 0765 **Registration Number** N821BD

Date of Manufacture 12/2003

Engine(s) currently installed:

Manufacturer TCM **Model** IO-550-N **Serial** 917041

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

Propeller(s) currently installed:

Manufacturer MCCAULEY **Model** D3A34C403-A

HUB Model _____ **Serial** _____ **Serial** 023201

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.)

Propelling Aviation

Propelling Aviation, LLC, 380 Airport Lane , Tazewell TN 37879
Date: 10-11-2023 **Logbook:** Engine 1 **Tail Number:** N821BD

Hobbs: 4512.3 **Model:** IO-550-N **Serial:** 1032777

Repairs / Maintenance

- Changed oil and serviced engine with 7 quarts of Aeroshell W100 Plus. Changed oil filter and cut open old filter to check for contamination, none found.
- Removed LH Magneto PN: BL-500556-1 SN:D18AA045R, and removed #4 intake tube for access.
- Installed overhauled LH Magneto PN: 10-500556-1 SN: L-08480 with new gasket and timed to 22° BTC. Installed #4 intake tube with new gasket.
- Adjusted Propeller Governor to achieve redline RPM.
- Adjusted Air/Oil Separator exhaust outlet location.
- Engine run, ops check and leak check good.

Pertinent Details Of This Repair Are on File Under Work Order No. 320

Certificate: **A&P3580051IA | Robert A Loomis**

Sign:_____ | Date: **10-11-2023**

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.)

Signature FLIGHT SUPPORT
A BBA Aviation company

6101 Burton Station Rd. Norfolk, Va.
23502 (757) 857-3413

WO# M17836

Aircraft #	N821BD	**TTAF**	0	**Hobbs**	4535.6
Eng. Make	TCM	**TTE**	0	**TSOH**	0
Eng. Model	IO-550N	**Total Cycles**	0	**CSOH**	0
Eng. S/N	1032777	**Position**	SINGLE	**Date**	1/10/2024

1 #3 CYLINDER RUNNING HIGH CHT AND ENGINE RAN ROUGH. PERFORMED ENGINE RUN AND COULD NOT DUPLICATE CUSTOMERS COMPLAINT. REMOVED, CLEANED AND GAPPED AND BENCH TESTED ALL 12 SPARK PLUGS. NO DEFECTS NOTED. ROTATED TOP AI BOTTOM SPARK PLUGS PER CUSTOMERS REQUEST. GAINED ACCESS TO #3 FUEL NOZZLE AND CLEANED AS NEEDED. REINSTALLE NOZZLE AND OPERATIONAL AND LEAK CHECKED GOOD. ALL WORK PERFORMED REF CIRRUS SR22 AMM CHAPTER 74-20 AND TCM 550 M&O MANUAL. 17-11.4

The maintenance operations described above were performed and inspected in accordance with the applicable rules of 14CFR part 43, and with respect to the work performed; this aircraft is approved for return to service.

Signed: _____ (ALFRED DIROSA) Date: 1/10/2024 **A&P# 224064715**

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.)

Propelling Aviation

Propelling Aviation, LLC, 380 Airport Lane , Tazewell TN 37879
Date: 03-05-2024 **Logbook:** Airframe **Tail Number:** N821BD

Hobbs: 4542.9 **Model:** SR22 **Serial:** 0765

Repairs / Maintenance

#3

- Removed black wing-walk grip tape from both wings and both steps. Installed new PT-765 Sterling Silver wing-walk coating with Catalyst PT-766 on both wings and steps.
- Removed all fasteners securing both wingtips. Reinstalled both wingtips with all new fasteners PN: MS24694C52.
- Removed ignition switch. Installed new ACS Ignition switch PN: A-510-2 with Key #131. Engine run, ignition switch ops check in all positions good.
- Removed Flap position switch and installed new Flap position switch PN: 50336-001. Flaps ops check good in all positions.
- Troubleshoot Garmin GSB-15 USB charging port inoperative. Found power wire pulled from connector. Reinstalled power wire in connector with new pin. GSB-15 ops check good.
- Installed 4 new cam locks in top engine cowling.

Pertinent Details Of This Repair Are on File Under Work Order # 358, 365, 370.

Certificate: **A&P3580051IA | Robert A Loomis**

Sign: Robert A Loomis | Date: **03-05-2024**

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.)

Propelling Aviation

Propelling Aviation, LLC, 380 Airport Lane , Tazewell TN 37879
Date: 03-05-2024 **Logbook:** Engine 1 **Tail Number:** N821BD

Hobbs: 4542.9 **Model:** IO-550-N **Serial:** 1032777

Repairs / Maintenance

- Compression: (1) 77/80 (2) 75/80 (3) 76/80 (4) 77/80 (5) 78/80 (6) 78/80.
- Changed oil and serviced engine with 8 quarts of Aeroshell W100 Plus. Took oil sample for analysis. Installed new AA48019 oil filter and cut open old filter to check for contamination, none found.
- Performed dye penetrant inspection on suspected cracks between the top spark plug hole and fuel injector hole on cylinders # 1,2,3,4,6. No cracks detected.
- Engine run, ops check and leak check good.

Pertinent Details Of This Repair Are on File Under Work Order # 358 & 365

Certificate: **A&P3580051IA | Robert A Loomis**

Sign:_____ | Date: **03-05-2024**

YEAR 20___ DATE

Abilene Aero Inc. | 2850 Airport Blvd. | Abilene, TX 79602
N7797S | Cirrus SR22 | A/C Total Time: 4590.0
S/N: 0765 | Date: 8/20/2024 | WO# 24-23183

This entry is to document an owner requested/submitted aircraft registration number change. Old number N821BD. New number N7797S. See FAA Form 8050-64, registration effective 5/30/2024. The transponder, IFD550, was **UNABLE** to be updated at this time. The owner has been informed of this discrepancy and recommendations were provided.

Approved for return to service
David Stai AP3613351

Abilene Aero Inc. | 2850 Airport Blvd. | Abilene, TX 79602
N7797S | Cirrus SR22 | A/C Total Time: 4590.0
S/N: 0765 | Date: 8/20/2024 | WO# 24-23183

Troubleshot inoperative air conditioning. Removed and replaced thermostat switch (P/N JBS60-2) at a/c evaporator assembly. Reinstalled evaporator assembly with new O-rings. Charged system with 1.8lbs R-134a. Repaired wiring at a/c clutch dropping resistor. Removed and replaced 25-amp a/c CB inside MCU (P/N 51143-025). Ground run ops check ok. ♦ Inspected stall warning system, no defects noted. ♦ Removed and installed new pilot and copilot seat stops.

Approved for return to service
Roger Thackerson AP4152960

YEAR 20___ DATE

Abilene Aero Inc. | 2850 Airport Blvd. | Abilene, TX 79602
N7797S | Cirrus SR22 | A/C Total Time: 4590.0
S/N: 0765 | Date: 9/6/2024 | WO# 24-23206

Updated transponder, IFD550, to new registration number N7797S as approved on FAA Form 8050-64 dated 30 May 2024. An updated / replacement airworthiness certificate application is currently being submitted to the FAA. The aircraft was last deemed airworthy during it's last annual dated 6/3/2024.

Approved for return to service
David Stai AP3613351

Barrett Aircraft Company LLC.
1810 Fourth St
Graham, Texas 76450

Make: Cirrus
Model: SR22
Tail: N7797S
S/N: 0765
Hours: TSN: 4597.9 | TTE: 1478.6 | TTP: 295.6

-Performed annual inspection IAW FAR 43 appendix D and SR22 MM and Barrett Aircraft 100hr/annual inspection checklist as a reference. Lubricated all hinge points and flight controls. Lubricated engine controls. R&R air filter with new element PN BA-24. Removed, cleaned and inspected firewall fuel filter. No defects noted. Greased wheel bearings with aeroshell 22. Serviced tires with dry air to MM specs. Tested ELT IAW FAR 91.207 no defects noted. Batt due Mar 2030. Checked ADs through current date. Performed battery capacity test. Passed at 82%. CW AD 06-21-03 Brake stickers. No defects noted.
-Verified pressure exists in high and low side of AC system. Conducted functional tests IAW Supplemental MM for AC system on this cirrus SR22. Verified cold air is blowing with temperature gun. Found SCAT tubing to pilot LH vent was cut and damaged behind instrument panel. Replaced SCAT ducting to correct torn and collapsed area. Reinstalled with new hose clamps and verifie with ops check.
-Found obstruction in stall warning tube. Removed tube from RH wing port. Removed tube at divider location under floor panel of copilot seat. Blew air and cleared obstruction. Reinstalled at both locations. Ops check good.
-Removed copilot door veil. Bonded pre formed sheet metal to door panel above window. And Velcroed door veil to door. Reinstalled entire panel. Door veil no longer sagged and stayed secure.
-Found no fuel flow indication. Removed fuel flow transducer and bench tested. Ops check good. Rang out wires between gauge and transducer. No defects noted. Replaced connector at engine cooling tin. Did not correct defect. Sent gauge to Air Dallas Instruments. They Found cold solder joints and dirty fuel flow meter movement. Found lamps bad. Replaced lamps with 2 new PN 0105S00034 bulbs. See Air Dallas WO# 112211. Received. Reinstalled, bled, and tested. Ops check good.
-Zip tied fuel vent tubing to inside of wing at bonded locations.
-Removed Wheel and tire assemblies. Rotated tires on wheels and reinstalled. Replaced nuts with new self locking nuts on wheel halves.
-Removed brake cylinders from LH Brake caliper and replaced orings with 2 new MS28775-222. Reinstalled and bled brake. Serviced reservoir with 5606 fluid.

I certify that this aircraft has been inspected and maintained IAW the references above and was found to be in airworthy condition with respect to the work performed and is approved for RTS.

Signed: _____

Cert: 3947132 AP/IA
Date: 09/08/2026