

AirQuest Aviation

485 Airport Road
Butler, PA 16002



Date: 8/30/2024; Aircraft: N512AM; Type: SR20; S/N: 2332
Shop Order #: 24-5356, Closed: 9/13/2024
Airframe Log

- 1:) Complied with 100 hour / annual inspection of airframe in accordance with SR20 maintenance manual, chapter 5.
- 2:) Removed fuel bowl, cleaned, and reinstalled with new o-ring P/N: MS29513-137 and new seal P/N: NAS1523-8B in reference to Cirrus SR20 maintenance manual chapter 28.
- 3:) Removed old air induction filter and replaced with new air induction filter P/N: BA-24 in reference to Cirrus SR20 maintenance manual chapter 71. Performed satisfactory leak check of fuel bowl.
- 4:) Complied with research of airworthiness directives for aircraft
- 5:) Complied with inspection of ELT and battery in accordance with F.A.R 91.207(d). Battery next due December of 2028.
- 6:) Re-sealed Comm antenna in reference to Cirrus service manual chapter 20.
- 7:) Removed peeling heat shielding on both lower engine cowlings. Replaced with new heat shielding in reference to Cirrus service manual chapter 20.
- 8:) Old #1 Battery removed, New battery installed, PN 53030-001, SN 41373132. in reference to cirrus service manual chapter 20. OPS check good.
- 9:) Removed old #2 batteries, installed new batteries PN 50979-001 in reference to cirrus service manual chapter 20. ops check good.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in accordance with current FAA Regulations and is Approved for Return for Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station. I certify that this AIRFRAME has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
ACTT: 1895.2 Hobbs time: 2677.5 Flight time: 1895.2

Signed  Nathan Courtney for AirQuest Aviation CRS: Q3ER924K

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Engine Log

- 1:) Complied with 100 hour/annual inspection of engine in accordance with Cirrus SR20 maintenance manual chapter 5.
- 2:) Compression tested: 1] 62/80, 2] 76/80, 3] 70/80, 4] 52/80, 5] 64/80, 6] 64/80.
- 3:) Drained engine oil, took sample. Removed oil filter, cut and inspected. No problems noted. Installed and secured new filter p/n: CH48108-1 on aircraft. Serviced engine with 8 qts. of Aeroshell 15w50 . Ground run engine. No leaks noted at this time. Work done in reference to Cirrus service manual chapter 12

The Aircraft and/or Component Identified above was Inspected and/or Repaired in accordance with current FAA Regulations and is Approved for Return for Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station. I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
ACFT:1895.2 Hobbs time: 2677.5 Flight time: 1895.2

Signed  Nathan Courtney for AirQuest Aviation CRS: Q3ER924K


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Propeller Log

1:) Complied with 100 hour/annual inspection of the aircraft propeller in accordance with Cirrus SR20 maintenance manual chapter 20.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in accordance with current FAA Regulations and is Approved for Return for Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station. I certify that this PROP has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
ACTT: 1895.2 Hobbs time: 2677.5 Flight time: 1895.2 PTT: 1895.2

Signed  Nathan Courtney for AirQuest Aviation CRS: Q3ER924K



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 Avionics Log

The following tests and inspections have been performed. The static system altimeters and the altitude reporting system have been tested as required by FAR 91.411 IAW appendix E of part 43. The systems tested to 16,000 feet.

	Model	S/N
Pilot:	GDC74	20623221
Standby:	MD 302	G16-10353

The following test and inspections have been performed: The transponder tests as required by FAR 91.413 IAW appendix F of part 43.14.CFR 91.215 Mode S transponder and 91.227 ADS-B related functions and operations evaluated and found to pass.

	Model	S/N
#1:	GTX 33	89135473

Updated aircraft databases to the current cycle. All work was done IAW Garmin's Pilots Guide for Cirrus Perspective SR20 P/N: 190-00820-12 rev B. section "DATABASE MANAGEMENT".

The Aircraft and/or Component Identified above was Inspected and/or Repaired in Accordance with Current FAA Regulations and is Approved for Return to Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station.
 Hobbs time: 2677.5 Flight time: 1895.2

Authorized Signature  Brian Thoma, AirQuest Aviation CRS # Q3ER924K

AIRQUEST AVIATION
 Beyond Expectations...
ALTIMETER SCALE CARD AQAV-002

Altimeter Reads	Room Temp °C	Altimeter Read	Room Temp °C
0	+10	18000	/
1000	+10	20000	/
2000	+10	25000	/
3000	+10	30000	/
4000	+10	35000	/
6000	+10	40000	/
8000	+10	45000	/
10000	+10	50000	/
12000	+10	60000	/
14000	+20	70000	/
16000	+20	80000	/

TESTED TO: 16K FEET ON: 8/29/24
 MAKE: Garmin MODEL S/N: 20623221
 STATIC SYS. NO. #1 A/C NO.: N512AM
 SIGNATURE: Brian Thoma
 DATE: 8/29/24

AIRQUEST AVIATION
REPAIR STATION Q3ER924K
 Revision #: 4 Date: 3/8/2019

AIRQUEST AVIATION
 Beyond Expectations...
ALTIMETER SCALE CARD AQAV-002

Altimeter Reads	Room Temp °C	Altimeter Read	Room Temp °C
0	+10	18000	/
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6000	+10	40000	/
8000	+10	45000	/
10000	+10	50000	/
12000	+10	60000	/
14000	+20	70000	/
16000	+20	80000	/

TESTED TO: 16K FEET ON: 8/29/24
 MAKE: Garmin MODEL S/N: 20623221
 STATIC SYS. NO. #1 A/C NO.: N512AM
 SIGNATURE: Brian Thoma
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AIRQUEST AVIATION
REPAIR STATION Q3ER924K
 Revision #: 4 Date: 3/8/2019