


# **ENGINE LOGS**

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
9/14/11	2	.5			<p align="center"><b>Engine Log Book Entry</b></p> <p>Date: <u>9-14-11</u> Engine Time: <u>2.5</u></p> <p>Installed the <u>Engine</u> preheater S/N <u>45068</u> in accordance with Tanis Aircraft Products instructions <u>N/A</u></p> <p>Rev. <u>—</u> and System drawing number <u>25029-002</u></p> <p>Rev. <u>—</u></p> <p>Inspector: <u>Troy J McDonald</u> Cert. #: <u>AC-338-CE</u></p> <p>ENGINE MODEL: TS/O-550-K(18) ENGINE S/N: 1004915 REG. NO: 721KK WORK ORDER: 14463-09-2011</p> <p> <b>Cirrus Design Factory Service Center</b> Repair Station No. YD5R855Y 4514 Taylor Circle Duluth, MN 55811 Phone: 218-788-3438</p> <p>DATE: 9/20/2011 A/C TSN: 3.8 ENG TT: 3.8 HOBS: 6</p> <p><b>Engine Entries</b> (2) Adjusted Fuel Flow out 1/2 turn, to reach 39.6 gallons an hour IAW TCM SID 97-3E. Ground run satisfactory.</p> <p>I have reviewed the file on this aircraft and the accompanying discrepancy forms. 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 repair are on file at this Certified Repair Station CRS YD5R855Y.</p> <p>DATE: 9/20/2011      SIGNED: <u>Tim O'Reilly</u>      Work Order: 14463-09-2011 Tim O'Reilly      Certified Repair Station No. YD5R855Y      Printed by EBis 3 (dalcomedia.com)</p>



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

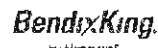
N#: 721KK      Make: Cirrus  
H/M: 41      Model: SR22T  
Date: 12-11-2011      S/N: 0193

Drained oil and serviced engine with 8 qts. of Aeroshell 15w50. Removed and replaced oil filter with new CH48108-1. Runup and leak check satisfactory. Found Alt Air door pin in intake side of L/H turbo charger, inspection of R/H turbo charger showed some damage to inlet blades as well. Left Turbo charger inlet blades are damaged beyond repair. Per Cirrus service rep John Stohl and TCM instructions, removed 1 each spark plug from each cylinder and bore-scoped each cylinder inspecting walls, piston and valve seats. No further damage noted. Installed removed spark plugs to each cylinder. Replaced alternate air door hinge pin with new material. Removed L/H turbo charger (p/n 646677 s/n H-0CL00165) and installed new L/H turbo charger (p/n 646677 s/n H-OJL00016). Removed RH turbo charger (p/n 646677 s/n H-0CL00162 and installed new RH turbo charger (p/n 646677 s/n H-OIL00339). Removed left and right heat exchangers from engine baffeling and blew out for any remaining debris. Reinstalled left and right heat exchangers. Performed engine run up and leak check. No defects noted. All work performed in accordance with Cirrus Maintenance manual, rev. B1 dated 31 May 2011.

Carl Farris  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA11-0243



Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					
Carried forward →					



McGregor Executive Airport  
 355 McGregor Airport Road  
 McGregor, TX 76657  
 Phone: 254-848-2345  
 Fax: 254-848-2555

N#: 721KK      Make: Cirrus  
 H/M: 41      Model: SR22T  
 Date: 12-11-2011      S/N: 0193

Sanded areas around cracked gel coat at intake openings in left and right lower cowlings. Repaired gel coat and restored finish.  
 Removed Left and Right wing walk placards. Cleaned wing walk area. Installed new L/H placard p/n 18063-003 and new R/H placard p/n 18063-004.  
 All work performed per Cirrus AMM rev. B1 dated 31 May 2011.

*Carl [Signature]* for CRS# U9RR733J  
 (Authorized Signature)

*Transfer to  
 Aircraft Key*

Details of the work performed are on file at this station, reference Work Order #: AA11-0243



McGregor Executive Airport  
 355 McGregor Airport Road  
 McGregor, TX 76657  
 Phone: 254-848-2345  
 Fax: 254-848-2555

N#: 721KK      Make: Cirrus  
 H/M: 41      Model: SR22T  
 Date: 12-11-2011      S/N: 0193

Complied with SA 11-10 Starter drive adapter replacement. Displaced engine from engine mounts forward to facilitate starter adapter R&R. Removed old started drive adapter (p/n 642085A19, nsn) and installed new Starter drive adapter (p/n 642085A19, nsn) with engraving 3216-1. Re-installed engine motor mounts and safetied. Performed engine run up and leak check. No defects noted. All work performed in accordance with TCM MM X30634A dated April 2001 and Cirrus AMM rev B1 dated 31 May 2011.

*Carl [Signature]* for CRS# U9RR733J  
 (Authorized Signature)

Details of the work performed are on file at this station, reference Work Order #: AA11-0243



SUMMIT AVIATION INC.  
 7720C AIRPORT RD.  
 TEMPLE, TX. 76504  
 254-773-9902  
 15 January 2012

N721KK      Cirrus SR22T      S/N: 0193      Fit: 42.0      Hobbs: 55.9      ACTT: 42.0

Removed and replaced oil pressure sensor P/N 12635-002. Engine was ground run with a direct oil pressure gauge installed to verify oil pressure indication on the MED. No defects noted at this time. This aircraft released for service for work performed.

*Mark [Signature]*  
 Mark McDaniel AP30920721A



McGregor Executive Airport  
 355 McGregor Airport Road  
 McGregor, TX 76657  
 Phone: 254-848-2345  
 Fax: 254-848-2555

N#: N721KK Make: Cirrus  
 H/M: 45.2 Flight Model: SR-22T  
       Hobbs  
 Date: 02-06-2012 S/N: 0193

Accomplished the following:  
 1) Drained oil and serviced engine with 8 quarts of Aeroshell 15W-50. Removed and replaced oil filter with new CH48108-1. Run-up and leak check satisfactory.  
 2) Re-painted lower cowling intake scoop per Cirrus SR22T AMM Rcv. B2 dated 01-01-2012.  
 3) Removed and replaced left intake SCAT-12 3" tubing with new material p/n: SCAT-12 per Cirrus SR22T AMM Rev B2 dated 01-01-2012

For work performed, aircraft is approved for return to service.

Eddy Farris

*Carl Farris*  
 (Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA12-0299



**Nevitt Aircraft Inc.**

4309 Emma Browning Av. Austin, Texas 78719

**Engine Entry**

N721KK  
 W.O. 2271

Date: 3/1/2012

Hobbs: 70.8

**Maintenance Performed:**

1. Inspected for oil leak and found fittings leaking on oil temp "T" fitting.
2. Resealed all fitting connections.
4. Found oil line burned and replaced with customer furnished line PN 646644S4Y20.00.
5. Installed 2ea clamps on line to prevent chafeing.
6. Ground run engine to check for proper operation and leaks.
7. All work accomplished I/A/W Cirrus Maintenance Manuals.

James Paul Gogolewski I/A 587053569

*James Paul Gogolewski*



McGregor Executive Airport  
 355 McGregor Airport Road  
 McGregor, TX 76657  
 Phone: 254-848-2345  
 Fax: 254-848-2555

N#: N721KK Make: Cirrus  
 H/M: 81.2 Flight Model: SR-22T  
       Hobbs  
 Date: 02-06-2012 S/N: 0193

Accomplished the following:

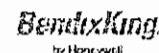
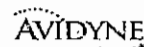
- 1) Drained oil and serviced engine with 8 quarts of Aeroshell 15W-50. Removed and replaced oil filter with new CH48108-1. Run-up and leak check satisfactory.
- 2) Removed and replaced left intake SCAT-12 3" tubing with new material p/n: SCAT-12 per Cirrus SR22T AMM Rev B2 dated 01-01-2012.
- 3) Removed and replaced engine oil pressure sensor p/n 12635-002. Performed engine run up and leak check, no defects noted. All work performed IAW Cirrus SR22 AMM rev B2 dated 1Jan. 2012.

Eddy Farris

*Carl Farris*  
 (Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA12-0360



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

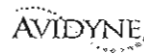
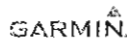
N#: N721KK Make: Cirrus  
H/M: 129.3 Flight Model: SR-22T  
Hobbs  
Date: 08-20-2012 S/N: 0193

Drained oil and serviced engine with 8 quarts of Aeroshell 15W-50. Removed and replaced oil filter with new CH48108-1. Run-up and leak check satisfactory. For work performed, aircraft is approved for return to service.

*Carl Fung*  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA12-0419



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 184.7 Model: SR22T  
Date: 10-5-12 S/N: 0193

**Tach: 147.7**

Performed an **Annual Inspection** as required by FAR 91.409 in accordance with the Cirrus SR22T series service manual, and FAR 43 Appendix D. Accomplished the following items:

- 1) Repaired lower left cowling jell coat IAW Cirrus SR22 AMM Rev B3 dated 1 July 2012.
- 2) Removed and replaced pilot side wing walk placard p/n 18065-003 IAW Cirrus SR22 AMM rev B3 dated 1 May 2012.
- 3) Troubleshoot AC system found refrigerant level low. Recycled remaining refrigerant and tested system for leaks. None detected. Re-serviced AC system with 2 pounds of R134a Refrigerant and operated system. System cools normally. All work performed IAW Cirrus SR22 AMM rev B3 dated 1 July 2012.
- 4) Inspected ELT in accordance with FAR 91.207d, no defects noted. ELT battery replaced now expires FEB 2018.

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

*Carl Fung*  
(Authorized Signature)

for CRS# U9RR733J

*Transfer to Aircraft log*

Details of the work performed are on file at this station, reference Work Order #: AA12-0435



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b>
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carried forward →



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 184.7 Model: SR22T  
Date: 10-5-12 S/N: 0193

**TSMOH: 147.7**

Performed an **Annual Inspection** as required by **FAR 91.409** in accordance with the Cirrus SR22T service manual, and **FAR 43 Appendix D**. Accomplished the following items:

- 1) Compressions check results: 1) 72/80, 2) 76/80, 3) 70/80, 4) 74/80, 5) 72/80 and 6) 72/80.
- 2) Drained oil and serviced engine with 8 quarts of Aeroshell 15W50. Replaced oil filter with new CH48108-1. Leak check satisfactory.

Performed an engine ground run for operational and leak checks, including to full power, no defects noted. I certify that this engine was inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition.

*Carl Fug*  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA12-0435



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 186.2 Flight Model: SR-22T  
Hobbs 231.3  
Date: 01-21-2013 S/N: 0193

Changed o-ring p/n 17561-010 on high pressure line at A/C compressor. Serviced A/C system and performed operational check. No defects noted. All work performed IAW Cirrus SR22 AMM rev B3 dated 1 May 2012.

*Carl Fug*  
(Authorized Signature)

for CRS# U9RR733J

*Transfered to Aircraft 105*

Details of the work performed are on file at this station, reference Work Order #: AA13-0006



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 186.2 Flight Model: SR-22T  
Hobbs 231.3  
Date: 01-21-2013 S/N: 0193

Drained oil and serviced engine with 8 quarts of Aeroshell 15W-50. Removed and replaced oil filter with new CH48108-1. Run-up and leak check satisfactory. For work performed, aircraft is approved for return to service.

*Carl Fug*  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0006



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b>
	Hours	Min	Hours	Min	
Carried forward →					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 227.8 Flight Model: SR-22T  
Hobbs 279.5  
Date: 04-19-2013 S/N: 0193

Removed left wing walk and cleaned upper surface of wing. Installed new left wing wing walk placard p/n 18063-003 IAW Cirrus SR22 AMM rev B7 dated 1 Feb. 2013.

*Carl Fuchs*  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0058

*Transitioned to Aurora*



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 227.8 Flight Model: SR-22T  
Hobbs 279.5  
Date: 04-19-2013 S/N: 0193

Drained oil and serviced engine with 8 quarts of Aeroshell 15W-50. Removed and replaced oil filter with new CH48108-1. Run-up and leak check satisfactory. For work performed, aircraft is approved for return to service.

*Carl Fuchs*  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0058



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 228.2 Flight Model: SR-22T  
Hobbs  
Date: 04-23-2013 S/N: 0193

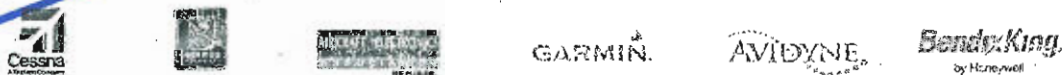
Found #2 battery relay sticking. Removed # 2 battery relay p/n V23232-40002-X009 and installed new #2 battery relay p/n 50962-001. Performed operational check of # 2 battery, ops check normal. All work accomplished IAW Cirrus SR22T AMM rev B4 dated 1 Feb 2013.

*Carl Fuchs*  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0060

*Transitioned to Aurora*



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
Phone: 254-848-2345  
Fax: 254-848-2555

N#: N721KK Make: Cirrus  
H/M: 228.2 Flight Model: SR-22T  
Hobbs  
Date: 04-23-2013 S/N: 0193

Removed, cleaned and reinstalled # 3 cylinder fuel injector with internal new o-rings p/n 630979-9 (2 each). Performed engine ground run and leak check. No defects noted. All work performed IAW TCM TS10-550K1B Engine maintenance and overhaul manual M-18 dated August 2011.

  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0060



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355 McGregor Airport Road  
McGregor, TX 76657  
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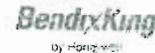
N#: N721KK Make: Cirrus  
H/M: 272.2 Flight Model: SR-22T  
Hobbs 331.0  
Date: 8-8-2013 S/N: 0193

Drained oil and serviced engine with 8 quarts of Aeroshell 15W-50. Removed and replaced oil filter with new CH48108-1. Run-up and leak check satisfactory. For work performed, aircraft is approved for return to service.

  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0115



McGregor Executive Airport  
355 McGregor Airport Road  
McGregor, TX 76657  
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Fax: 254-848-2555

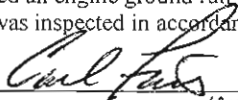
N#: N721KK Make: Cirrus  
H/M: 388.6 Model: SR22T  
Date: 11-11-13 S/N: 0193

**TSMOH: 322.8**

Performed an **Annual Inspection** as required by FAR 91.409 in accordance with the Cirrus SR22T service manual, and FAR 43 Appendix D. Accomplished the following items:

- 1) Compressions check results: 1) 73/80, 2) 76/80, 3) 74/80, 4) 74/80, 5) 71/80 and 6) 70/80.
- 2) Drained oil and serviced engine with 8 quarts of Aeroshell 15W50. Replaced oil filter with new CH48108-1. Leak check satisfactory.
- 1) Complied with SB 2X-79-01 R2 Oil line security
- 2) Complied with SB 2X71-22 Alternate air Assembly bracket reinforcement
- 3) Complied with SB 2X71-19 R1 Air/Oil Separator Replacement

Performed an engine ground run for operational and leak checks, including to full power, no defects noted. I certify that this engine was inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition.

  
(Authorized Signature)

for CRS# U9RR733J

Details of the work performed are on file at this station, reference Work Order #: AA13-0158



ENGINE MODEL:  
TSIO-550K1B  
ENGINE S/N: 1004915  
REG. NO: N721KK  
WORK ORDER: 114611



**Clear Star Aviation**  
Repair Station No. 5CSR009B  
4765 Frank Luke Dr  
Addison, Texas 75001  
Phone: 972-267-2376

DATE: 3/17/2014  
A/C TSN: 339.7  
ENG TT: 339.7  
FLIGHTTIME: 339.7

### Engine Entries

Removed, cut and inspected oil filter. Installed new oil filter P/N AA48108-2..The cylinder compression was checked with the following results: #1, 63/80 #2, 60/80 #3, 62/80 #4, 66/80 #5, 60/80 #6, 68/80 psi. Master orifice 49/80..Installed L/H intercooler P/N 654585 S/N 157456 after repair by Aerospace Manufacturing, Inc. on work order # 157456 dated 03/12/2014..Installed new crankshaft oil seal P/N 641250..Installed oil cooler P/N 646462 S/N 157422 after repair by Aerospace Manufacturing, Inc. on work order # 157422 dated 03/11/2014..Adjusted take off RPM to 2480..Replaced one intake clamp on cylinder #3.Installed new prop governor gasket.

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Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 3/17/2014

SIGNED:

Work Order: 114611

Hoskins, Josh  
Certified Repair Station No. 5CSR009B

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ENGINE MODEL:  
TSIO-550K1B  
ENGINE S/N: 1004915  
REG. NO: N721KK  
WORK ORDER: 114645



**Clear Star Aviation**  
Repair Station No. 5CSR009B  
4765 Frank Luke Dr  
Addison, Texas 75001  
Phone: 972-267-2376

DATE: 3/18/2014  
A/C TSN: 339.7  
ENG TT: 339.7  
HOBSBS: 410

### Engine Entries

The oil and filter was changed and serviced with 7 quarts of Phillips 20W-50 X/C and pint of camguard additive and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories.

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Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 3/18/2014

SIGNED:

Work Order: 114645

Hoskins, Josh  
Certified Repair Station No. 5CSR009B

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**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85309  
623-414-4930Registration: **N721KK****ENGINE LOG**

Date: 4/11/2014

W/O: 6000880

Model: SR22T

S/N: 0193

Removed engine cowlings. Inspected engine for suspected oil leaks. Noted minor oil on rear sump bolts, oil filter adapter and wastegate actuator pressure fitting B-nut. Re-torqued rear oil sump bolts, oil filter housing attach hardware and wastegate pressure line b-nut to specified limits. Verified oil filter secure and safety wired. Cleaned engine of oil residue, performed ground run-up with no leaks or defects noted at this time. Re-installed engine cowlings. Maintenance performed IAW Continental Motors Inc. SB 96-7C.

SIGNATURE: John Fisher

FAA AUTHORIZATION:

2734397 A&amp;P / IA

**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930Registration: **N721KK****ENGINE LOG**

Date: 5/1/2014

W/O: 6000899

Model: Cirrus SR-22

Tach: 357.5

S/N: 0193

Hobbs: 434.1

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new Tempest filter, p/n AA48109 and serviced engine with 7 qts of Phillips X/C 20W50 oil and 1 pt. of Camguard oil additive. Operational and leak check normal.

Borescope inspection showed no significant findings, cylinders appear to be in good condition. Performed cylinder blow-by test IAW Continental SB M89-9. No significant findings.

SIGNATURE: Kenneth Morgan III

FAA AUTHORIZATION:

32282926 / IA



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930

Registration: **N721KK**

**ENGINE LOG**

Date: 7/22/2014

W/O: 6000962

Model: Cirrus SR-22

Hobbs: 469.1

S/N: 0193

Flight Hobbs: 387.0

Complied with Savvy Aircraft Maintenance Management 50-Hour SR-2x oil change guide section 1.

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new Champion filter, p/n CH48108-1 and serviced engine with 7 qts of Phillips X/C 20W50 oil and 1 pt. of ASL Camguard oil additive. Round run-up, operation and leak checks normal.

Complied with Cirrus **SB 2x-74-01** by replacement of all Champion fine wire spark plugs with new Tempest massive electrode spark plugs p/n URHB32E. Torqued to specified limits with new U674 gaskets and anti-seize. Operational checks normal.

Inspected engine baffling to # 3 cylinder for defects with no discrepancies noted.

**SIGNATURE:** *Kenneth Morgan III*

**FAA AUTHORIZATION:**

**32282926 / IA**



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85309  
623-414-4930

Registration: **N721KK**

Date: 12/5/2014

Model: IO-550-K1B

S/N: 1004915

W/O: 6001034

Fit Hobbs: 421.9

TSMOH: 421.9

## ENGINE LOG

Complied with an annual inspection IAW 14 CFR 43 Appendix D using the Cirrus Aircraft annual inspection checklist CH 5-20. AD's researched thru T-Data content revision 2014-24, see attached AD compliance list for details.

Complied with **AD 12-03-06** AFS/ Fuel Servo Diaphragm. AD is not applicable by no ASF fuel servo installed.

Complied with **AD 14-05-29** Superior Air Parts Investment Cast Cylinder Assemblies. AD is not applicable by no Superior replacement parts installed.

Complied with Cirrus **SB 2x71-25** Intercooler flange stiffeners by installation of new flange stiffener's; two each p/n 31796-001 and one each p/n 31796-002. Secured with new MS27039-0810 screws IAW accomplishment instructions.

Cylinders 1 thru 6 removed and sent to Continental Motors Inc. for warranty repair due to low compression, high oil consumption, oil in combustion chambers and barrel wear noted during Bore scope inspection. Installed same cylinders 6 each p/n 658178A1P005, serial numbers #1 - AC11FB434, #2 - AC11FB445, #3 - AC11EB424, #4-AC11FB447, #5-AC11FB430, #6-AC11FB609 in repaired condition, reference FAA Form 8130-3 from Continental Motors Services Inc. under w/o CS-1401 dated 11/25/2014 for details. Cylinders installed using new gaskets sets, and existing serviceable valve train components. Cylinders torqued to specified limits IAW CMI TSIO-550 Series MX and OHL manual M-18 section 10-8 and SB96-7C.

Compressions checked in accordance with TCM SB-03-03; 1-75, 2-74, 3-75, 4-76, 5-74, 6-73/ 80 (Cold).

Drained engine oil, collected Blackstone oil sample for analysis. Removed filter, cut open filter and inspected for metal contamination, filter found normal. Installed new oil filter p/n CH48108-1 and serviced engine with 8 qts of Aeroshell 100 Mineral oil. Motored engine with lower plugs removed until positive oil pressure noted.

Cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.

Magneto to engine timing checked. Timing set to specified limits with no adjustments required.

Maintenance performed in accordance with Model SR-22 AMM, CMI TSIO-550 Series OHL manual and TCM SB 96-7C.

Initial ground run-up and break in procedure performed IAW Continental procedures specified in M-18 manual Section 6-3.7 and a flight check break-in performed IAW Section 7-2.3. All indications and operations were normal with no leaks or defects noted.

*I certify this engine has been inspected in accordance with an Annual / 100 hr. inspection and was determined to be in airworthy condition*

SIGNATURE: *Kenneth Morgan III*

FAA AUTHORIZATION:

322829269 IA

**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930Registration: **N721KK**

Date: 1/15/2015

Model: Cirrus SR-22

S/N: 0193

W/O: 6001113

Flt Hobbs: 430.4

Hobbs: 521.9

**ENGINE LOG**

Drained engine oil and removed filter. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 8 qts. of Aeroshell 100 mineral oil. Performed ground-run, operational and leak check normal.

SIGNATURE: Kenneth Morgan III

FAA AUTHORIZATION: 32282926 / IA

**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930Registration: *N721KK*

Date: 4/21/2015

Model: Cirrus SR-22

S/N: 0193

W/O: 6001214

Flt Hobbs: 454.2

**ENGINE LOG**

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 7 qts of Phillips X/C 20W50 oil and 1 pt. of Camguard oil additive. Operational and leak check normal.

SIGNATURE: Kenneth Morgan III

FAA AUTHORIZATION:

32282926 / IA



**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930Registration: **N721KK**

Date: 4/21/2015

Model: Cirrus SR-22


S/N: 0193

W/O: 6001326

Tach: 485.3

**ENGINE LOG**

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 7 qts of Phillips X/C 20W50 oil. Operational and leak check normal.

SIGNATURE: *Kenneth Morgan III* 

FAA AUTHORIZATION: 32282926 / IA



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85309  
623-414-4930

Registration: **N721KK**

Date: 12/9/2015

Model: IO-550-K1B

S/N: 1004915

## ENGINE LOG

W/O: 6001430

Fit Hobbs: 517.4

TSMOH: 517.4

Complied with an Annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft annual inspection checklist CH 5-20 & Precise Flight ICA.

AD's researched thru T-Data content revision 2015-24, see attached AD compliance list for details.

Complied with **CSB 15-7** by removing existing cross fitting. Transferred fittings and plug to new crossfitting p/n 658607 and installed on oil cooler. Re-attached flexible fluid lines and oil pressure transducer. MX performed IAW with the TCM CSB 15-7 text dated 11/6/2015.

Complied with **SB 2x-28-12R1** by visual inspection and operational check. Operational check normal and no leaks noted. Temporary change inserted in AFM for affected procedure. Maintenance performed IAW the SB 2x-28-12R1 text.

Compressions checked in accordance with TCM **SB-03-03**; 1-73, 2-71, 3-72, 4-74, 5-73, 6-72/ 80. Borescope inspection performed IAW Section C, all cylinders found serviceable at this time.

Drained engine oil, collected Blackstone oil sample for analysis. Removed filter, cut open filter and inspected for metal contamination, filter found normal. Installed new oil filter p/n CH48108-1 and serviced engine with 7 qts. Phillips XC 20W50 oil and 1 pint of ASL Camguard.

Cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.

Complied with a **500 hour magneto inspection**. Removed left magneto p/n 10-500556-101 model S6RSC-25P s/n D11FA202. . Removed right magneto p/n 10-500556-101 model S6RSC-25P s/n D11FA203. Sent magnetos to AES for inspection and repair. Re-installed left magneto in repaired condition, reference FAA Form 8130-3 Form from AES under w/o M2917-15-12 dated 12/4/2014 for details. Re-installed RH magneto in repaired condition, reference FAA Form 8130-3 from AES under w/o M2918-15-12 dated 12/4/2015 for details. Magnetos installed with 2 ea. new flange gaskets p/n SA534750, harness gaskets p/n 10-357520. Timed magneto's to engine and set to specified limits. Ground run-up operation and leak check normal.

Maintenance performed in accordance with Model SR-22 AMM, CMI TSIO-550 Series OHL manual and TCM SB 96-7D.

Post maintenance full power ground run-up performed. All indications and operations were normal with no leaks or defects noted.

*I certify this engine has been inspected in accordance with an Annual / 100 hr. inspection and was determined to be in airworthy condition*

SIGNATURE: John Fisher

FAA AUTHORIZATION:

2734397/ IA



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930

Registration: *N721KK*

Date: 4/19/2016

Model: Cirrus SR-22T

S/N: 0193

W/O: 6001576

Flt Hobbs: 544.2

## ENGINE LOG

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 7 qts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Operational and leak check normal.

SIGNATURE: *Matt Hatfield*

FAA AUTHORIZATION:

*2766522 A&P*



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85309  
623-414-4930

Registration: **N721KK**

Date: 9/28/2016

Model: IO-550-K1B

S/N: 1004915

W/O: 6001726

Flt Hobbs: 563.9

TSMOH: 563.9

## ENGINE LOG

Complied with an Annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft annual inspection checklist CH 5-20 & Precise Flight ICA.

AD's researched thru T-Data content revision 2016-19, see attached AD compliance list for details.

Compressions checked in accordance with TCM **SB-03-03**; 1-75, 2-72, 3-74, 4-77, 5-76, 6-74/ 80. Master orifice reading 48. Borescope inspection performed IAW **Section C**, all cylinders found serviceable at this time.

Drained engine oil, collected Blackstone oil sample for analysis. Removed filter, cut open filter and inspected for metal contamination, filter found normal. Installed new oil filter p/n CH48108-1 and serviced engine with 7 qts. Phillips XC 20W50 oil and 1 pint of ASL Camguard.

Cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.

Removed propeller assembly. Removed crankshaft seal and propeller o-ring. Installed new crankshaft seal p/n 641250 and prop o-ring p/n C-3317-228. Removed and replaced alternator belt with new p/n 657970, tensioned to specified limits. Re-installed propeller and torqued to specified limits. Blade track checked and found within limits. MX performed IAW Cirrus AMM Chapter 61 and Hartzell Manual 115N.

Maintenance performed in accordance with Model SR-22 AMM, CMI TSIO-550 Series OHL manual and TCM SB 96-7D.

Post maintenance full power ground run-up performed. All indications and operations were normal with no leaks or defects noted.

*I certify this engine has been inspected in accordance with an Annual / 100 hr. inspection and was determined to be in airworthy condition*

SIGNATURE: James Butler

FAA AUTHORIZATION:

2833700 IA

**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930Registration: *N721KK*

Date: 11/22/2016

Model: Cirrus SR-22T

S/N: 0193

W/O: 6001800

Fit Hobbs: 593.1

**ENGINE LOG**

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 7 qts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Operational and leak check normal. MX performed IAW the Cirrus SR22T AMM Chapter 12-10 and the Savvy SR2x oil change guide.

SIGNATURE: *Matt Hatfield*

FAA AUTHORIZATION:

2766522 A&amp;P

**Glendale Aero Services**6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930Registration: *N721KK*Date: *4/7/2017*Model: *SR-22T*S/N: *0193*W/O: *6001967*Fit Hobbs: *614.1***ENGINE LOG**

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 8 qts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Operational and leak check normal. MX performed IAW the Cirrus SR22T AMM Chapter 12-10 and the Savvy SR2x oil change and associated service items guide.

SIGNATURE: *Raymond M. Moreno*

FAA AUTHORIZATION:

*3754794 A&P*



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85309  
623-414-4930

Registration: **N721KK**

Date: 10/5/2017

Model: TSIO-550-K1B

S/N: 1004915

W/O: 6002146

Flt Hobbs: 646.7

TSMOH: 646.7

## ENGINE LOG

Complied with an Annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft annual inspection checklist CH 5-20 & Precise Flight ICA.

AD's researched thru T-Data content revision 2017-19, see attached AD compliance list for details.

Compressions checked in accordance with TCM M-O Sec. 6-4.11.2; 1-71, 2-72, 3-76, 4-73, 5-77, 6-74/ 80. Master orifice reading 44. Borescope inspection performed IAW Sec. 6-4.11.3, all cylinders found serviceable at this time.

Drained engine oil, collected Blackstone oil sample for analysis. Removed filter, cut open filter and inspected for metal contamination, filter found normal. Installed new oil filter p/n CH48108-1 and serviced engine with 8 qts. Phillips XC 20W50 oil and 1 pint of ASL Camguard.

Cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.

Removed RH magneto and replaced magneto capacitor with new p/n 10-400615 and secured. Reinstalled magneto using new gaskets p/n 649954 & 10-357520 and retimed both magnetos to engine specifications IAW Continental TSIO-550 Series MX and OHL Manual M-18. Ops and leak check normal.

Resecured LH turbo heat shield as required. Cleaned oil pressure sensor connector with contact cleaner and applied Stabilant 22.

Removed #3 and #5 cylinder rocker covers. Cleaned mounting surface and installed 4 ea. new gaskets p/n 653380. Reinstalled and secured rocker covers IAW Continental M-18 Appendix B torque specifications.

Maintenance performed in accordance with Model SR-22 AMM, CMi TSIO-550 Series MX & OHL manual M-18 & CMi Manual M-0.

Post maintenance full power ground run-up performed. All indications and operations were normal with no leaks or defects noted.

*I certify this engine has been inspected in accordance with an Annual / 100 hr. inspection and was determined to be in airworthy condition*

SIGNATURE: James Butler

FAA AUTHORIZATION:

2833700 IA

**Glendale Aero Services**

6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930

Registration: *N721KK*

Date: 3/12/2018

Model: SR-22T

S/N: 0193

W/O: 6002338

Filt Hobbs: 675.9

Hobbs: 828.6

**ENGINE LOG**

Drained engine oil and removed filter. Collected Blackstone sample for analysis. Cut open filter to inspect for contamination, filter normal. Installed new CH48108-1 oil filter and serviced engine with 8 qts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Operational and leak check normal. MX performed IAW the Cirrus SR22T AMM Chapter 12-10.

SIGNATURE: *Matthew Hatfield*

FAA AUTHORIZATION:

*2766522 IA*



**Glendale Aero Services**

6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930

Registration: **N866AD****ENGINE LOG**

Date: 7/18/2018

W/O: 6002465

Model: SR22T

Flt Hobbs: 708.1

S/N: 0571

Hobbs: 870.1

Complied with Savvy Aircraft Maintenance Management Inc. SR2x oil change and service guide items 1 thru 3.

Drained oil and removed oil filter assembly. Collected Blackstone sample to send for analysis. Cut and inspected oil filter for metal contamination, filter found normal. Installed and secured new AA48108-2 oil filter and serviced engine with 7 qts. Phillips XC 20W50 oil & 1 pt. of ASL Camguard. Performed ground run up and operational check with no leaks noted. MX performed IAW the Cirrus SR22T AMM Chapter 12-10.

Removed spark plugs. Cleaned, rotated, regapped, and reinstalled spark plugs with new M-674 gaskets. Torqued to specified limits.

Removed existing LH TIT probe and installed new TIT probe p/n 29211-001. Operational check normal. MX performed IAW the Cirrus SR22T AMM Chapter 77-20.

SIGNATURE: *Matthew Hatfield*

FAA AUTHORIZATION: 2766522 IA



# OIL REPORT

LAB NUMBER: K41449  
 REPORT DATE: 8/1/2018  
 CODE: 20/75

UNIT ID: N721KK  
 CLIENT ID: 77732  
 PAYMENT: CC: Visa (Bulk)

<b>UNIT</b>	MAKE/MODEL: Continental TSIO-550-K1B	OIL TYPE & GRADE: Phillips XC (A/C) 20W/50
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 35 Hours
	ADDITIONAL INFO: Cirrus SR-22T, E/N: 1004915,	

<b>CLIENT</b>	JAMES / KIM / JOHN FISHER	PHONE: (623) 414-4935
	GLENDALE AERO SERVICES	FAX:
	6841 N GLEN HARBOR BLVD	ALT PHONE: (602) 628-6029
	GLENDALE, AZ 85307	EMAIL: kimberly.kubiak@gas-az.com

**COMMENTS**  
 JAMES/KIM/JOHN: No surprises here. This engine produced another excellent report after 35 hours of oil use. There's no sign of any problems in these numbers, and there wasn't any contamination to discuss either. Air and oil filtration is top-notch with silicon at 5 ppm and insolubles at 0.4%. Our only suggestion is to keep up the good work. All is well with N721KK from where we sit!

								<b>UNIVERSAL AVERAGES</b>	
	MI/HR on Oil	35	29	32	21	30	20		
	MI/HR on Unit	708	676	647	614	593	564		
	Sample Date	7/18/2018	3/12/2018	9/25/2017	3/7/2017	11/22/2016	9/7/2016		
	Make Up Oil Added								
<b>ELEMENTS IN PARTS PER MILLION</b>	ALUMINUM	2	5	3	4	3	3	2	7
	CHROMIUM	5	22	7	8	7	10	7	23
	IRON	28	73	34	38	32	39	31	85
	COPPER	2	12	2	2	2	2	2	12
	LEAD	7212	7395	6309	6628	4981	6336	4177	8062
	TIN	1	2	1	1	1	0	1	2
	MOLYBDENUM	2	6	2	3	3	4	3	7
	NICKEL	5	26	6	7	7	8	6	32
	MANGANESE	0	1	0	0	0	0	0	1
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	1	0	0	0	0	0	1
	POTASSIUM	0	1	0	0	0	0	2	1
	BORON	0	1	0	1	0	0	0	1
	SILICON	5	8	5	6	5	6	7	9
	SODIUM	1	2	0	1	2	2	3	2
	CALCIUM	137	59	131	128	134	121	122	28
	MAGNESIUM	1	1	0	0	0	2	2	1
	PHOSPHORUS	78	350	113	106	109	86	90	297
	ZINC	5	11	1	5	5	4	3	6
	BARIUM	0	0	0	0	0	0	0	0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	90.7	86-105	94.7	94.7	95.7	96.7	87.5
	cSt Viscosity @ 100°C	18.16	17.0-21.8	19.11	19.11	19.35	19.57	17.38
	Flashpoint in °F	450	>430	455	465	450	440	470
	Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	0.4	0.3	0.3	0.4	0.4
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com



## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85309  
623-414-4930

Registration: **N721KK**

Date: 11/9/2018

Model: TSIO-550-K1B

S/N: 1004915

W/O: 6002598

Fit Hobbs: 723.8

TSMOH: 723.8

## ENGINE LOG

Complied with an Annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft annual inspection checklist CH 5-20 & Precise Flight ICA.

AD's researched thru T-Data content revision 2018-22, see attached AD compliance list for details.

Compressions checked in accordance with TCM M-O Sec. 6-4.11.2; 1-76, 2-78, 3-76, 4-78, 5-75, 6-77/ 80. (Hot) Master orifice reading 48. Borescope inspection performed IAW Sec. 6-4.11.3, all cylinders found serviceable at this time.

Drained engine oil, collected Blackstone oil sample for analysis. Removed filter, cut open filter and inspected for metal contamination, filter found normal. Installed new oil filter p/n CH48108-1 and serviced engine with 8 qts. Phillips XC 20W50 oil and 1 pint of ASL Camguard.

Cleaned, gapped and tested all spark plugs. Re-installed using new M-674 gaskets and torque to specified limits.

Removed #2, #3, #4 and #5 cylinder rocker covers. Cleaned mounting surface and installed 8 ea. new gaskets p/n RG-632459. Reinstalled and secured rocker covers IAW Continental M-18 Appendix B torque specifications.

Serviced and cleaned main fuel gascolator assembly. Re-assembled with new o-ring p/n MS29513-137 & new washer seal p/n NAS1523-8B. Leak checks normal. MX performed IAW the Cirrus SR22 AMM Chapter 53-40.

Maintenance performed in accordance with Model SR-22 AMM, CMi TSIO-550 Series MX & OHL manual M-18 & CMi Manual M-0.

Post maintenance full power ground run-up performed. All indications and operations were normal with no leaks or defects noted.

*I certify this engine has been inspected in accordance with an Annual / 100 hr. inspection and was determined to be in airworthy condition*

SIGNATURE: James Butler

FAA AUTHORIZATION:

2833700 IA