

Air 88 Inc. dba CROWNAIR  
FAA Approved Repair Station #CWNR273K  
3753 John J. Montgomery Dr.  
San Diego, CA 92123

TCM Engine  
N330SR  
1-20-14

IO-550-N(42)  
Cirrus SR22  
Hobbs: 1402.9 Hrs

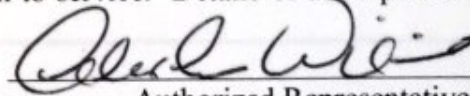
S/N: 689851  
S/N: 2077  
Flight Hour Meter: 1141.5 Hrs  
TSN: 1141.5 Hrs

**Maintenance performed:**

- Completed **Annual Inspection** using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.
- Changed oil and filter. Serviced with 8 Qts of Aeroshell 100 mineral oil and installed new oil filter, P/N CH48108-1.
- Cut open and inspected oil filter for metal contamination with no defects found.
- Took oil sample and sent in for analysis.
- Compressions are as follows: #1. 68/80 #2. 32/80 #3. 74/80 #4. 56/80 #5. 62/80 #6. 60/80.
- Replaced induction air filter element with new P/N BA-24.
- Repaired worn and elongated induction air filter end cover plate by installing 2 new washers P/N AN970-3 using 2 part Epoxy.
- **TCM CSB08-3C** Inspection/replacement of throttle and mixture control levers is N/A, has stainless steel control levers installed.
- Replaced induction air filter element with new P/N BA-24.
- Removed #2 cylinder assy due to low compression. Installed overhauled exchange cylinder assy P/N 655932, S/N C5687 from Aircraft Engine Specialists using new seals and gaskets supplied with the cylinder. Ground run and leak checked good I/A/W supplied break-in procedures. Work done I/A/W TCM Overhaul Maintenance Manual M-16.
- Retimed right mag to 22 degrees, ground run mag checks are good.

I certify that this **engine** 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-14-06401.

  
Authorized Representative

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

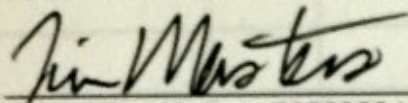
**Tango Aviation - Lawrenceville, GA (KLZU) Phone (864) 985-8839**

Removed oil filter, cut open for inspection, no metal found.  
 Installed New Tempest AA48108 oil filter.  
 Installed new EGT probe Cylinder #3 part 167579-001  
 Installed new Tempest URHB 32S spark plugs (12)  
 Performed compression test: #1-72/80, #2 72/80, #3 70/80, #4 70/80, #5 71/80, #6 72/80

**Engine Log Entry**

Date 5/20/2014  
 Hobbs 1427.3  
 Type SR22  
 Serial # 2077  
 Reg: N330SR

This aircraft, airframe engine, propeller and/or appliance was repaired and/or inspected in accordance with current FAR's and manufacturer instructions, is deemed airworthy and approved for return to service

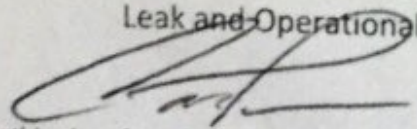
  
 Signed Tim Masters 2802663 IA

5/20/2014  
 Date

**RainAir Aircraft Services, LLC**  
 280 Aldredge Drive, Albertville AL 35950

A/C Registration: N330SR A/C Make: Cirrus  
 A/C Model: SR-22 A/C SN 2077 Engine s/n: 689851  
 Hobbs/Tach Time: 1201.1 Total Time: 1475.8

Drained Engine Oil. Removed Oil Filter. Installed New Filter p/n: CH48108-1. Serviced Oil With 7 Quarts of Phillips X/C 20W-50 oil.  
 Leak and Operational Checks Good.

  
 I certify this aircraft, airframe, engine, propeller or appliance has been inspected and repaired IAW current FAA regulations and is approved for return to service.

Details on file under W.O. No: 950B Dated: July 17, 2014  
 Authorized Signature: Doran A Pedri A&P 3205413IA



**Mid-South Avionics, Inc.**

4725 65<sup>th</sup> Place North, Birmingham, AL 35206

FAA CRS No. ZY4R717M

A/C Registration: N330SR A/C Make: Cirrus  
A/C Model: SR-22 A/C SN: 2077  
Hobbs/Tach Time: H-1501.5 Total Time:

-Removed previously installed Garmin GNS-430W PN: 011-01060-00 SN: 23401014. Installed repaired No. 2 GNS-430W PN: 011-01060-40 SN: 97124373. Tested and found repaired GNS-430W and No. 1 GNS-430W operating software were mis-matched.

- Updated No. 1 GNS-430W main software per Garmin Software Service Bulletin No. 1317 Rev. A and GPS software per Garmin Software Service Bulletin No. 1401 Rev. A and 1403 Rev. B. Downloaded and printed the appropriate software upgrade supplements as described in service bulletin instructions and provided to the customer.

Details on file under W.O. No: 1076B Dated: August 6, 2014

Authorized Signature: Dan L McCall



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

N330SR

Engine SN#: 689851

TOTAL

Hobbs: 1533.5

SMOH:

FLIGHT TIME: 1248.3

Date: 01/07/15

Engine TT: 1533.5

Changed oil and filter serviced engine with 7 qts. AeroShell 20W-50 oil. Operational checks and leak checks good. I certify that this engine to be in an airworthy condition at this time. ---END---

*James A. Walker*  
James A. Walker

AP 3079424

**DLK**

2601 Cessna Lane NW Kennesaw, GA 30144 770-427-4954

LOG ID# 16535 06-February-2015 WO# 15016

N330SR S/N 2077 CIRRU SR22

HOBBS 1250.7

TTENG 1250.7

AVIATION, INC.

Pg 1 / 1

\*\*\* ENGINE LOG ENTRY \*\*\*

SEE AIRCRAFT LOG FOR AD COMPLIED WITH DURING THIS ANNUAL. REPLACED THE FOLLOWING: ENGINE INLET FILTER, LEFT MUFFLER WITH REPAIRED UNIT BY PLANEXHAUST WO#20976 DATED 09-10-2014 P/N 14836-001, RIGHT MUFFLER WITH OVERHAULED UNIT WO#21855 DATED 12-22-2014 P/N 14837-001 AND INDUCTION ASSEMBLY SUPPORT BUMPER P/N 646414. TIMED MAGS TO 22 DEGREES. STOPPED DRILLED SMALL CRACK AND ADDED SUPPORT WASHER TO AFT BAFFLE BEHIND PROPELLER. ADJUSTED AIR CONDITIONER DRIVE BELT TENSION. DRAINED OIL. CHECKED AND REPLACED OIL FILTER - NO METAL NOTED. OIL SAMPLE TAKEN. CLEANED AND GAPPED SPARK PLUGS. SERVICED WITH PHILLIPS 20W-50W-XC OIL. WASHED ENGINE, RAN ENGINE - ALL CHECKS NORMAL. NO OIL LEAKS NOTED. INSPECTED EXHAUST SYSTEM. CLEANED FUEL INJECTORS. CHECKED TIMING OF MAGNETOS - MAGNETOS CHECKED AT 22 DEGREES. PERFORMED COMPRESSION CHECK: 31 70/80 #2 68/80 #3 68/80 #4 59/80 #5 59/80 #6 56/80. ORIFICE 39/80. SET FUEL PRESSURES IN ACCORDANCE WITH SID 97-3F. I CERTIFY THAT THIS AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.

MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#15016 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

*Daniel L. Kendall*  
Signed DK7R795J FOR DLK AVIATION, INC.



# Birmingham Aviation Services LLC

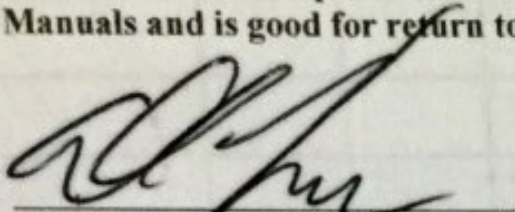
HOBBS: 1586.2

Date: May 22, 2015

ARFTT: 1291.8

1. Drained oil and filled with 7 qts. Of Phillips 20W-50 oil.
2. Installed new oil filter. P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent Manuals and is good for return to service.

  
Allen Hudson

A&P416112719

# Birmingham Aviation Services LLC

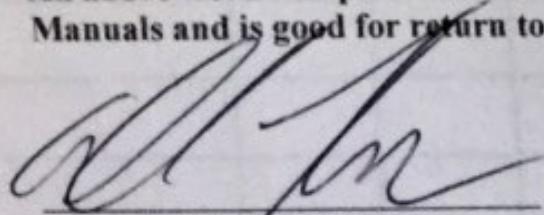
HOBBS: 1631.5

Date: October 13, 2015

ARFTT: 1631.5

1. Drained oil and filled with 7 qts. Of Phillips 20W-50 oil.
2. Installed new oil filter. P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent Manuals and is good for return to service.

  
Allen Hudson

A&P416112719



**DLK**2601 Cessna Lane NW Kennesaw, GA 30144 770-427-4954  
LOG ID# 17599 01-April-2016 WO# 16100

N330SR S/N 2077 CIRRUS SR22

HOBBS 1364.5

TTENG 1364.5

**AVIATION, INC.**

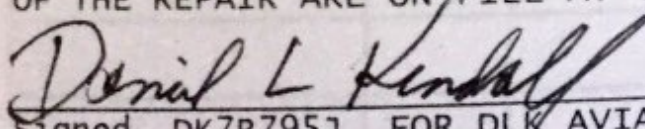
Pg 1 / 1

## \*\*\* ENGINE LOG ENTRY \*\*\*

NO AD'S DUE THIS ANNUAL. REPLACED THE FOLLOWING: LEFT AND RIGHT MAGS, BASE GASKETS P/N 534750, CAPACITATORS P/N 10-400615, CONTACTS P/N 10-382584, SNAP RINGS P/N 10-92815-37, BRUSHES P/N 10-160844, RIGHT MAG DISTRIBUTOR GEAR P/N 10-357586, #4 CYLINDER INTAKE VALVE P/N 655868, EXHAUST VALVE P/N 655771, KEEPERS P/N 24802, GOVERNOR GASKET P/N MS9144-01, NEW GASKETS & SEALS ON CYLINDERS, ENGINE INLET FILTER. #4, #6 CYLINDERS - GROUND VALVES AND SEATS. LAPPED VALVES, BUILT UP CYLINDERS, INSTALLED CYLINDERS, TORQUE CYLINDERS AS PER S/B 96-7D. COMPRESSIONS AFTER REWORK #4 68/80, #6 68/80. INSPECTED #2 CYLINDER AROUND FUEL INJECTION WITH DYE PENS-NO CRACK FOUND. COMPLETED 500 HOUR MAGNETO INSPECTION - NEXT DUE 1864.5 HOBBS. RETORQUED LEFT EXHAUST BALL JOINT AND SAFETIED. REPLACED ADEL CLAMP ON TKS FEED LINE AT #5 CYLINDER AREA. STOP DRILL SMALL CRACK IN BAFFLE BY #6 CYLINDER. REPOSITIONED #1 CYLINDER FUEL INJECTION LINE TO PREVENT CHAFING. REPOSITIONED AND SECURED ALTERNATOR AIR CONTROL TO PREVENT CHAFING ON #5, #3 FUEL INJECTION LINES. REPLACED ADEL CLAMP ON ALTERNATOR AIR CONTROL CABLE. RETORQUED EXHAUST HARDWARE AFTER ENGINE RUNS. DRAINED OIL. CHECKED AND REPLACED OIL FILTER-NO METAL NOTED. CLEANED AND GAPPED SPARK PLUGS. SERVICED WITH PHILLIPS 20W-50W-XC OIL. WASHED ENGINE, RAN ENGINE-ALL CHECKS NORMAL. NO OIL LEAKS NOTED. INSPECTED EXHAUST SYSTEM. CLEANED FUEL INJECTORS. CHECKED TIMING OF MAGNETOS - MAGNETOS CHECKED AT 22 DEGREES. SET FUEL PRESSURES IN ACCORDANCE WITH SID 97-3G. I CERTIFY THAT THIS AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.

## MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#16100 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.



Signed DK7R795J FOR DLK AVIATION, INC.





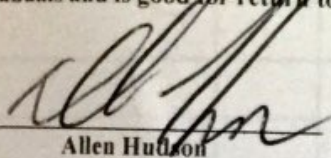
HOBBS: 1734.2

Date: November 21, 2016

ARFTT: 1734.2

1. Drained oil and filled with 7 qts. Of Phillips 20W-50 oil.
2. Installed new oil filter. P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent Manuals and is good for return to service.



Allen Hudson

A&P416112719



Hobbs: 1446.0

ARFTT: 1446.0

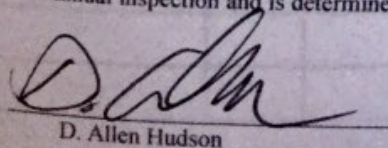
ENGTT: 1446.0

ENGTSO: 1446.0

DATE: May 10, 2017

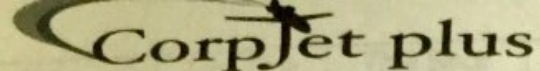
1. Complied with an Annual inspection per an Annual inspection guide.
2. Drained oil, filled with 7 Qts. Phillips XC 20W-50
3. Installed new oil filter. P/N CH48108-1
4. Installed overhauled cylinder in #5 position. P/N CL71.4-231-oh
5. Compressions: 1) 66/80      2) 74/80  
3) 70/80      4) 76/80  
5) 78/80      6) 70/80

All above work was performed in accordance with current FAR regulations and pertinent manuals And is good for return to service. certify that this engine has been inspected in accordance with An Annual inspection and is determined to be in an airworthy condition



D. Allen Hudson

A&P416112719A



Hobbs: 1500.9

ARFTT: 1500.9

ENGTT: 1500.9

ENGTSO: 1500.9

DATE: September 21, 2017

1. Drained oil, filled with 7 Qts. Phillips XC 20W-50
2. Installed new oil filter. P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent manuals  
And is good for return to service.

D. Allen Hudson

A&P416112719IA



CorpJet plus

HOBBS: 1563.6

Date: February 13, 2018

ARFTT: 1563.6

1. Drained oil and filled with 8 QTS of Phillips 20W-50
2. Installed new oil filter, P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent  
Manuals and is good for return to service.

Allen Hudson

A&P416112719



CorpJet plus

HOBBS: 1595.4

Date: April 26, 2018

ARFTT: 1595.4

1. Installed overhauled starter adapter, P/N R-642083A12

All above work was performed in accordance with current FAR regulations and pertinent  
Manuals and is good for return to service.

Allen Hudson

A&P416112719

## and Maintenance Record

worthiness Directives, Special Inspections,  
ulletins





Hobbs: 1618.5

ARFTT: 1618.5

ENGTT: 1618.5

ENGTSO: 1618.5

DATE: June 6, 2018

Brought

1. Complied with an Annual inspection per an Annual inspection guide.
2. Drained oil, filled with 7 Qts. Phillip 20-50 mineral oil
3. Installed new oil filter. P/N CH48108-1
4. Installed overhauled cylinder in #2 position. P/N CL73.1-232, S/N 74590-06
5. Installed overhauled cylinder in #4 position P/N CL73.1-232, S/N 74590-02
6. Repaired broken baffling on right side.
7. Compressions:    1) 66/80                      2) 78/80  
                              3) 70/80                      4) 76/80  
                              5) 78/80                      6) 66/80

All above work was performed in accordance with current FAR regulations and pertinent manuals  
And is good for return to service. certify that this engine has been inspected in accordance with  
An Annual inspection and is determined to be in an airworthy condition

D. Allen Hudson

A&P416112719IA





**Hobbs: 1634.5**

**ARFTT: 1634.5**

**ENGTT: 1634.5**

**ENGTSO: 1634.5**

**DATE: July 10, 2018**

1. Drained oil, filled with 7 Qts. Phillips XC 20W-50
2. Installed new oil filter. P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent manuals  
And is good for return to service.

D. Allen Hudson

A&P4161127191A



**Hobbs: 1681.1**

**ARFTT: 1681.1**

**ENGTT: 1681.1**

**ENGTSO: 1681.1**

**DATE: October 26, 2018**

1. Drained oil, filled with 7 Qts. Phillips XC 20W-50
2. Installed new oil filter. P/N CH48108-1

All above work was performed in accordance with current FAR regulations and pertinent manuals  
And is good for return to service.

D. Allen Hudson

A&P4161127191A



Date

Total Time

Time Since  
Last Overhaul**Engine Service and Maintenance**Installations, Inspections, Airworthiness Directives, Special  
Modifications and Service Bulletins

Hrs

Min

Hrs

Min

Date

4/6/19

**HAMMONDS AIRCRAFT  
MAINTENANCE  
200 AVIATION RD  
HOUMA, LA 70363  
(985)688-1520**

Flight:

1712.0

Hobbs:

2062.5

Registration #

N330SR

Eng Serial #

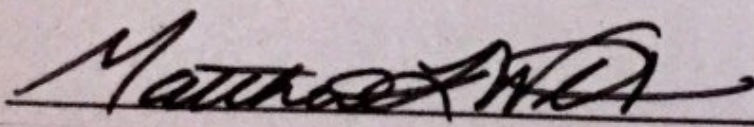
689857

Model:

IO-550-N

**ENGINE LOG ENTRY**

#2 CYLINDER INSTALLED. NEW ROCKER ARM SHAFT RETAINING BOLTS PN: 537750 LOCK TABS PN: 501868. TORQUED I.A.W. E.M.M. LOCKING WITH TABS. INSTALLED SERVICABLE VALVE COVER. REMOVED AND CUT OPEN FILTER. NO METAL. SERVICED ENGINE WITH AEROSHELL 100+ OIL. INSTALLED, TORQUED AND SAFTIED NEW CH48108-1 FILTER. APPROVED R.T.S.

 AP3725103

MATTHEW L. WITT 3725103 A.P.



# PCS ENGINES

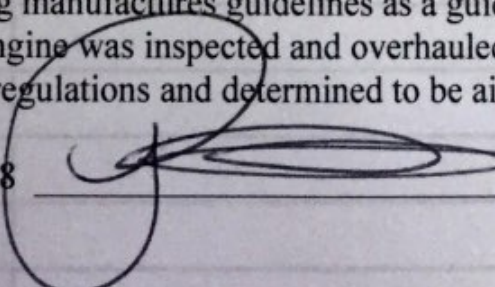
14833 SIDNEY-PLATTSVILLE RD  
SIDNEY OH 45365  
(937)-833-0843

Date 6-20-2019 model IO-550-N42  
S/N 689851  
ETT 1716.6 TSOH 0.0

This engine was overhauled to new parts limits using Continental overhaul manual as a guide, all ferrous part inspected using ASTM E-1444 -94a as a guide, all non-ferrous materials were inspected using ASTM E 1417-95a as a guide, all connecting rods were rebushed, all rocker arms were rebushed, all counterweights rebushed, and crankshaft blades rebushed. Engine rotating assy balanced. All cylinders were installed new. Camshaft and lifters were installed new. Ignition system were installed new. Fuel system overhauled, starter adapter overhauled. Oil cooler overhauled. Installed cam gear p/n 656818 See AD list for compliance. Following service bulletins were complied with SIL98-9E, SB96-10B, MSB96-10B, SIL99-2C, SB07-1, SB06-1A, SB00-3A, SB02-3, MSB05-8B and M85-10, Tested engine using manufactures guidelines as a guide.

I certify that this engine was inspected and overhauled In accordance with current FAA regulations and determined to be airworthy for return to service

IA A&P 400062798

  
Phillip Scadden



N330SR STEEL AVIATION INC  
ENGINE LOG

DATE 7/01/2019

MAKE Cirrus

Model SR22

Hobbs 2067.4

TACH 1716.6

S/N 2077

1.C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D, Using Cirrus AMM as a guide.

1.Removed ENGIEN s/n 689851 For O/H AT PCS ENGINES and reinstalled same ENGIEN, serviced with 8 QT 20/50 M performed SID 97 on fuel system ref M-0

2. Installed O/H ALT 1 P/N 649304 s/n 018KA061R

3.Installed O/H ALT 2 P/N S/N 0664879

4. Installed New Barry Engine mounts P/N 96301-01

5. Installed O/H prop governor P/N C290D3-R/T23 S/N 060696

6.. Installed AERO type D fuel hose kit Order # H35976

7. Installed O/H header #5 P/N 15070-003

8. Installed O/H Collector P/N 20153-001

9. R&R rod ends P/N 11314-003 on Prop gov, throttle and mix controls

10. R&R New alt air ASSY P/N 15708-003

I certify that this ENGINE has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P 279621029I/A Richard Booze

*Richard Booze*

## e Service and Maintenance

ns, Inspections, Airworthiness Directives, Spec  
ons and Service Bulletins