

# PLATINUM ENGINE LOG BOOK



## CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



**Teledyne Continental Motors, Inc.**  
A Teledyne Technologies Company

Printed: 09/02/2007

This engine model I0550N50, Serial No. 691364 was manufactured on 08/30/2007 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



**TELEDYNE CONTINENTAL MOTORS**

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

OIL COOLER

50

Form Tracking Number

POINT: ENGINE INLET AT

655313

## **TELEDYNE CONTINENTAL MOTORS**

THE OIL PRESSURE ON THIS ENGINE WAS  
ADJUSTED DURING THE ENGINE ACCEPTANCE  
TEST AT THE FACTORY. ONLY MINOR  
ADJUSTMENTS MAY BE NECESSARY TO  
ASSURE THE PROPER INDICATION ON  
THE COCKPIT GAUGE.

**FACTORY SETTINGS:**

RPM 2796 OIL TEMP 207 OIL PRESSURE 465  
OIL PRESSURE PICK UP POINT: ENGINE INLET AT  
OIL COOLER

655313

## **Aircraft Engine Test Verification**


This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model TC550N50B

Engine Serial Number 691364

**Testing Completed**

Standard Acceptance Test:

Date of Completion 9-1-07 Test Operator 



Teledyne Continental Motors, Inc.  
A Teledyne Technologies Company

Form No 98344







Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

**Exec Air LLC**  
Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926-3600  
(843) 681-4705  
info@ExecAirHiltonHead.com



Cirrus SR22  
S/N - 2735

**N383SR**

03/07/08 Hobbs-170.5, Flight-150.0

50 Hour Inspection IAW Cirrus SR22 MM 5-20.

- Drained oil and serviced engine with new filter CH48018 and 8 qts. AeroShell Oil W 15W-50
- Examined interior of filter - no metal found
- Run up and leak check - OK

Discrepancy, C/A-Corrective Action, C/W-Complied with, IAW-In accordance with, AMM-Aircraft Maintenance Manual, P/S/N-Part (Serial) Number, R/R-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.  
Gene Salazar, A&P 2652415

ENGINE LOG

Model SR22  
S/N 2735  
Reg. # N838SR

**Interstate Turbine Management**  
6070 Perimeter Rd.  
North Charleston, SC 29406

Date 03/26/08  
HOBBS 191.0  
TACH 170.5  
WO# 2080

This aircraft and or component identified above was repaired and inspected in accordance with current federal air regulations and was found to be airworthy for return to service. Pertinent details are found on file under work order number.

Installed new #3 CHT probe. C/W TAT SB 08-01 and Cirrus SA 08-03 turbo exhaust mod.

*Allen B. [Signature]*

A&P #112663284 IA

**SCHIEY CORP**

Hilton Head Island Airport  
(HXD)

71 Summit Drive  
Hilton Head, SC 29926  
(843) 689-5520

DATE	AIRCRAFT REG #	MANUFACTURE	MODEL #	SERIAL #	FLIGHT TIME
4/09/08	N838SR	CIRRUS	SR22	2735	186.9

50 Hour Inspection IAW Cirrus SR22 MM 5-20.

- Oil Filter replaced with P/N CH48108
- Oil replenished with 8 quarts of Phillips X/C Oil W 20W-50
- Oil Analysis sent to Aviation labs
- Examined interior of filter - no metal found
- Run up and leak check - OK

This aircraft was serviced/repared/inspected in accordance with current requirements of the FAA and is approved for return to service.

Ralf Schey, AP# 496986186

**Exec Air LLC**  
Hilton Head Island Airport (HXD)

71 Summit Drive  
Hilton Head, SC 29926-3600  
(843) 681-4705  
info@ExecAirHiltonHead.com



Cirrus SR22  
S/N - 2735

**N383SR**

06/19/08 Hobbs-262.0 F-241.3




- 50 Hour Inspection IAW Cirrus Design Corp Maintenance Manual Chapter 5-20 Drained oil and serviced engine with new filter Champion Oil Filter P/N CH48108, Phillips 20W50
- Cut open filter. Checked OK
- Post service operation. Checked OK

Discrepancy, C/A-Corrective Action, C/W-Complied with, IAW-In accordance with, AMM-Aircraft Maintenance Manual, P/S/N-Part (Serial) Number, R/R-Removed and Replaced

This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.  
Gene Salazar, A&P 2652415

ENGINE LOG



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)		71 Summit Drive Hilton Head, SC 29926-3600 (843) 681-4705 info@ExecAirHiltonHead.com			Cirrus SR22 S/N - 2735 7/30/08 Hobbs-308.3, Flight-287.6
1) Drained oil and serviced engine with 8 qts Phillips 20W-50W and CH48108 filter. 2) Checked and filled tires to 62psi mains, and 40 psi nose tire per operator					engine log
0-Discrepancy, C/A-Corrective Action, C/W-Complied with, IAW-In accordance with, AMM-Aircraft Maintenance Manual, P(S)/N-Part (Serial) Number, RSR-Removed and Replaced This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service. Gene Salazar, A&P 2652415					
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)					
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)		71 Summit Drive Hilton Head, SC 29926-3600 (843) 681-4705 info@ExecAirHiltonHead.com			Cirrus SR22 S/N - 2735 8/20/08 Hobbs-323.0, Flight-302.4
1) 200 Hour Inspection IAW Cirrus AMM 5-20 2) Differential pressure check 1) 73, 3) 74, 5) 70, 2) 70, 4) 68, 6) 70 all over 80 psi, Master orifice reading - 42 psi. 3) Drained oil and service engine with new Champion Filter P/N CH48108, 8 qts of Phillips X/C 20W-50, and air filter P/N BA-24. 4) Inspected engine IAW TCM and TATI 100 hour check list. R&R the following worn parts: P/N ETI-SR22-109-1, RH wastegate outlet; P/N ETI-G3-120-117, RH wastegate dump tube; P/N 22-6150026 RH wastegate, butterfly slave; P/N ETI-G2-703-1, alternate air door w/switch; P/N 04-6400001-12-136-4, cuffed sceet; P/N 04-6400001-5-68-4, cuffed sceet L/H compressor outlet to tailpipe; P/N 04-6400001-5-140-4, cuffed sceet, L/H tailpipe to heater valve. 5) Removed master/slave wastegate linkage and replaced with new cable linkage P/N #22-6150026 0-Discrepancy, C/A-Corrective Action, C/W-Complied with, IAW-In accordance with, AMM-Aircraft Maintenance Manual, P(S)/N-Part (Serial) Number, RSR-Removed and Replaced This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service. Gene Salazar, A&P 2652415					engine log
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)					
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)					
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)		71 Summit Drive Hilton Head, SC 29926-3600 (843) 681-4705 info@ExecAirHiltonHead.com			Cirrus SR22 S/N - 2735 10/30/08 Hobbs-369.3, Flight-348.8
1) Annual inspection complying with FAR 43 appendix D and IAW Cirrus AMM 5-20. 2) Differential pressure check 1) 70, 3) 70, 5) 72, 2) 70, 4) 69, 6) 68 all over 80 psi, Master orifice reading - 39 psi. 3) Drained oil and service engine with new Champion Filter P/N CH48108, 8 qts of Phillips X/C 20W-50, and air filter P/N BA-24. 4) Inspected engine IAW TCM and TATI 100 hour check list. 5) R&R Duct, FWD RH intercooler P/N ETI-G2-200-R. 6) All AD's have been complied with though 10/30/08. 0-Discrepancy, C/A-Corrective Action, C/W-Complied with, IAW-In accordance with, AMM-Aircraft Maintenance Manual, P(S)/N-Part (Serial) Number, RSR-Removed and Replaced This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service. Gene Salazar, A&P 2652415					engine log
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)					
<b>Exec Air LLC</b> Hilton Head Island Airport (HXD)					
1-8-09 401.4 380.5 REPLACED FUEL TRANSDUCER P/N 15415-001, UNIT TESTED OK. REPLACED HEAT SHIELD ON INTAKE/EXHAUST P/N AP2753771					



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.	
Brought Forward →					

N838SR SR22 S/N 2735 HOBBS 413.1 ENGINE LOG ENTRY

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 1-29-09  
 (318) 387-0222 Repair Station #HLWR727E

Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips 20W50 oil. Washed and ran engine. No leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.  
 MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
 MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED *Paul G. Giff* WO# 11543

N838SR SR22 S/N 2735 HOBBS 493.7 ENGINE LOG ENTRY

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 3-18-09  
 (318) 387-0222 Repair Station #HLWR727E

Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips 20W50 oil. Washed and ran engine. No leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.  
 MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
 MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED *Paul G. Giff* WO# 11600

N838SR TCM IO-550-N50 S/N 691364 HOBBS 523.5 TT 523.5

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 4-22-09  
 (318) 387-0222 Repair Station #HLWR727E

C/W Annual Inspection using Cirrus SR22 M/M inspection guide. C/W Engine technologies turbo installation annual continued airworthiness. COMPRESSIONS 80/80; #1/76, #2/76, #3/75, #4/76, #5/78, #6/78. Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips XC 20W50 oil. C/W 300 hr fuel nozzles cleaning/inspection. Installed 12 new RHB32E spark plugs. Washed and ground ran engine. No leaks noted.

I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in an airworthy condition.  
 MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
 MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED *Paul G. Giff* WO# 11625





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.	
Brought Forward	→				

January 15, 2010

N838SR

Flight Hobbs Time: 811.7

Engine:

Drained engine oil. Serviced with 8qts of Phillips 20W50 oil. Removed oil filter Part # CH48108-1 no contaminants found in filter installed serviceable/ new oil filter of same part#. Performed engine run-up in accordance with Cirrus SR 22 POH, no leaks or defects noted. Above performed in accordance with Cirrus SR 22 and Continental maintenance manuals. This aircraft is approved for return to service.

  
Randall Radford  
A&P 3347203

September 28, 2009

N838SR

Flight Hobbs Time: 702.0

BUTLER AVIATION

Engine:

Drained engine oil. Serviced with 8qts of Phillips XC 20W 50 oil. Removed oil filter Part # CH48108-1 no contaminants found in filter installed serviceable/ new oil filter of same part#. Performed engine run-up as per Cirrus G-3 POH, no leaks or defects noted. Above performed as per Cirrus G-3 and Continental maintenance manuals. This aircraft is approved for return to service.

  
Randall Radford  
A&P 3347203

N838SR TCM IO-550-N50 S/N 691364 HOBBS 790.6

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 12-14-09  
(318) 387-0222 Repair Station #HLWR727E

C/W 300 hr fuel nozzles cleaning/inspection. Removed #4 cylinder due to crack at spark plug boss. Installed new cylinder/piston assembly p/n 655932A4 s/n AC09GA716 from TCM. Installed 12 new RHB32E spark plugs. Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Aeroshell W100 mineral oil. Washed and ran engine. No leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.  
MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

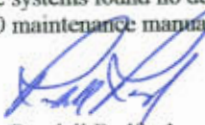
SIGNED  WO# 11905



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

April 07, 2010      N838SR      Tach Time: 915.7  
Aircraft Total Time: 915.7  
Engine Total Time: 915.7

Removed cylinder part number 655932A4 serial number GB782, form number 3 position, installed serviceable/ new cylinder part number 655932A4 serial number AC10BA799, in number 3 position. Ground operation of engine systems found no defects. Above performed in accordance with Cirrus SR-22 and Continental IO-550 maintenance manuals. This aircraft is approved for return to service.

  
Randall Radford  
A&P 3347203IA

April 29, 2010      ACTT 967.5      Hobbs 967.5  
Propeller total Time: 967.5  
Engine TT 967.5

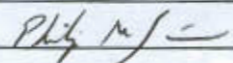
Airframe / ~~ENGINE~~

CW Annual inspection IAW Cirrus SR22 MM inspection guide. Compression Cyl 1 67, cyl 2 63, cyl 3 68, cyl 4 72, cyl 5 70, cyl 6 69.. Drained oil, removed oil filter, and cut open. No metal noted. Installed new CH48108-1 oil filter, and serviced with 8 Quarts Phillips 20W50 oil. Installed new EGT probe in cyl #3.. Ground ran, no leaks noted. I certify that this engine has been inspected IAW an annual inspection, and was determined to be in airworthy condition.

Carey Mavor Jr  
IA 3197117



23 JUN 10	HOBBS	1046.6			DRAINED OIL. REMOVED AND INSPECTED OIL FILTER. INSTALLED NEW CH48108-1 OIL FILTER AND SERVICED ENGINE WITH 8 QTS PHILLIPS 20W50. GROUND RAN ENGINE. NO LEAKS NOTED.
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 AIR 2724196

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.	
Brought Forward	→				

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

DATE: 18 JULY 10  
AIRCRAFT: 838SR  
SER. NO: 2735  
HOBBS: 1095.9

DRAINED OIL. REMOVED AND INSPECTED OIL FILTER. INSTALLED NEW CH48108-1 OIL FILTER AND SERVICED ENGINE WITH 8 QTS PHILLIPS 20W50. GROUND RAN ENGINE. NO LEAKS NOTED.

AUTHORIZED SIGNATURE

*Phil M. J.*

LICENSE #

A# 2724196

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

Date 12 AUG 10  
Aircraft N838SR  
S/N 2735  
Hobbs 1132.7

CHANGED OIL AND FILTER AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS 20W-50. CHECKED FILTER FOR CONTAMINATES, NONE FOUND. CHANGED FILTER WITH NEW FILTER NUMBER CH48108-1. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

*Phil M. J.*

LICENSE #

A# 2724196

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

Date 9/3/10  
Aircraft N838SR  
S/N 2735  
Hobbs 1176.7  
FLT 1154.5

CHANGED OIL AND FILTER AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS 20W-50. CHECKED FILTER FOR CONTAMINATES, NONE FOUND. CHANGED FILTER WITH NEW FILTER NUMBER CH48108-1. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

*Phil M. J.*

LICENSE #

IA 2724196



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.	
Brought Forward →					

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

Date 10-11-10  
Aircraft N838SR  
S/N 2735  
Hobbs 1258.8  
FLT 1237.1

CHANGED OIL AND FILTER AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS 20W-50. CHECKED FILTER FOR CONTAMINATES, NONE FOUND. CHANGED FILTER WITH NEW FILTER NUMBER CH48108-1. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE Phy. M. J.

LICENSE # 1A 2724196

N838SR TCM IO-550-N50 S/N 691364 HOBBS 1226.6

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 9-27-10  
(318) 387-0222 Repair Station #HLWR727E

Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips XC 20W50 oil. Installed new left accessory drive seal p/n 1608671 and gasket p/n 1469106. Washed and ground ran engine. No leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA.

manufacturers maintenance manual and is approved for return to service.  
MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED Phy. M. J. WO# 12235

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

Date: 22-Nov-10  
Aircraft: N838SR  
S/N 2735  
Hobbs: 1331.4  
Flt Time: 1309.7

CHANGED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50 OIL. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE Phy. M. J.

LICENSE #: 1A2724196

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.	

Brought Forward

N838SR TCM IO-550-N50 S/N 691364 HOBBS 1278.9

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 11-4-10  
(318) 387-0222 Repair Station #HLWR727E

Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips XC 20W50 oil. Cleaned, gapped, and tested all spark plugs. Washed and ground ran engine. No leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.  
MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED Paul G WO# 12280

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737



Date: 31-Dec-10  
Aircraft: N838SR  
S/N: 2735  
Hobbs: 1390.4  
Flt Time: 1368.7

CHANGED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50 OIL. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

LICENSE #: A & P 3205633

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737



Date: 16-Jan-11  
Aircraft: N838SR  
S/N: 2735  
Hobbs: 1424.7  
Flt Time: 1403

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196



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

Brought F

N838SR TCM IO-550-N50 S/N 691364 HOBBS 1453.0

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 1-27-11  
 (318) 387-0222 Repair Station #HLWR727E

Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips XC 20W50 oil. Cleaned, gapped, and tested all spark plugs. Installed 11 new RHB32E spark plugs. #1 top plug not replaced. Installed overhauled left magneto p/n 10-500556-1 s/n D06GA058 (Aircraft Accessories of Oklahoma WO# 44818 dated 1/24/11). Washed and ground ran engine. Operational checks normal with no leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.  
 MONROE AIR CENTER, FAA APPROVED REPAIR STATION #HLWR727E  
 MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED [Signature] WO# 12375**Butler Aviation, Inc.**

211 AVIATION RD.  
 HOUMA, LA 70363  
 1.800.851.5737



Date: 21-Feb-11  
 Aircraft: N838SR  
 S/N: 2735  
 Hobbs: 1481.1  
 Flt Time: 1459.4

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL W 100 PLUS. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE [Signature]  
 ALEX JOHNS AP 3061324

**Butler Aviation, Inc.**

211 AVIATION RD.  
 HOUMA, LA 70363  
 1.800.851.5737



DATE: 3/11/2011  
 AIRCRAFT: N838SR  
 ENG S/N: 691364  
 HOBBS: 1511.6  
 FLIGHT: 1489.9

PERFORMED ANNUAL INSPECTION I.A.W. CIRRUS AIRCRAFT CORP INSPECTION REPORT

- DRAINED OIL, REMOVED, CUT OPEN OIL FILTER CHECKED FOR CONTAMINATES. NONE FOUND  
 REPLACED FILTER WITH NEW CH 48108-1 FILTER AND SERVICED WITH  
 ENGINE WITH 12 QTS. PHILLIPS X/C 20W50 OIL
- LEAK CHECKED EXHAUST
- CLEANED, GAPPED, AND TESTED ALL SPARK PLUGS, REPLACED 2
- CHECKED MAGNETO TIMING
- PERFORMED COMPRESSION CHECK OVER 80 PSI USING CALIBRATED ORIFICE WITH VALUE 37:  
 #1/63 #2/51 #3/72 #4/72 #5/66 #6/68
- PERFORMED ENGINE RUN UP, OPERATIONAL AND LEAK CHECKS PERFORMED, FOUND  
 TO BE NORMAL AND NO LEAKS

**BULLETINS AND AIRWORTHINESS DIRECTIVES:**

RESEARCHED A.D.'S THROUGH MARCH 11, 2001

ALL WORK PERFORMED I.A.W. CIRRUS AIRCRAFT CORP. AIRPLANE MAINTENANCE MANUAL  
 (PN: 13773-001 REV: 'REISSUE B' JUNE 2010).

I CERTIFY THAT THIS **ENGINE** HAS BEEN INSPECTED I.A.W. AN **ANNUAL** INSPECTION AND HAS BEEN  
 FOUND TO BE IN AN AIRWORTHY CONDITION AT THIS TIME AND IS APPROVED FOR RETURN TO SERVICE.

AUTHORIZED SIGNATURE: [Signature]  
 PHILIP SCRIVNER IA2724196

ROYAL AIR

DATE: 1/14/11  
N# 838SR  
HOBBS: 1398.6

1530 Airport Dr. Hangar 2  
Shreveport, LA 71107  
318-221-3381

REPLACED R/H MAG WITH NEW P/N 10-500556-101, S/N DIOFA130. TIMED TO L/H MAG.  
RAN ENGINE. OPS AND LEAK CHECK GOOD.  
THE AIRCRAFT OR COMPONENT ABOVE WAS INSPECTED/ REPAIRED IN ACCORDANCE  
WITH CURRENT FARs AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

Rodney Preston AP456432489 WD 2206

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 2979572	
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218				5. Work Order/Invoice/Order or Approval: 1071901	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Quantity:	11. Serial/Batch Number:
1	MAGNETO	10-500556-101	N/A	1	DIOFA130 New
12. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.  PO# 316					
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design (and are in a condition for safe operation) <input type="checkbox"/> Non-approved design data specified in Block 13.					
15. Authorized Signature: <i>Kenneth E. Wyszocki</i>		16. Approval/Authorization File: ODA-100129-CF		17. Date (Month/Day/Year): JAN/13/2011	
17. Name (Typed or Printed): KENNETH E. WYSOCKI SR.		18. Date (Month/Day/Year): JAN/13/2011		19. Signature (Typed or Printed): User/Installer Responsibility	
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Unless the user/installer performs work in accordance with the national regulations of an aviation authority (other than the aviation authority of the country specified in Block 1), it is essential that the user/installer obtains the proper authorization/permissions from the aviation authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 15 do not constitute inspection certification. In all cases, aircraft maintenance records must contain an inspection certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p> <p>FAA Form 8130-3 (9-01) *Inspection must cross-check digitally with applicable technical data. NCR: 9232-90-012-0005</p>					

ATTN: DONNIE



Date

Total Time

Time Since  
Last Overhaul

Hrs.

Min.

Hrs.

Min.

**Engine Service and Maintenance Record**Installations, Inspections, Airworthiness Directives, Special Inspections,  
Modifications and Service Bulletins

Bought For

**Butler Aviation, Inc.**211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

SERVICE CENTER

Date: 25-Mar-11

Aircraft: N838SR

S/N: 2735

Hobbs: 1535.4

Flt Time: 1513.7

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL  
FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR  
CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

ALEX JOHNS AP3061324

**Butler Aviation, Inc.**211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

SERVICE CENTER

Date: 19-Apr-11

Aircraft: N838SR

S/N: 2735

Hobbs: 1596.2

Flt Time: 1574.4

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL  
FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR  
CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

**Butler Aviation, Inc.**211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

SERVICE CENTER

Date: 30-Apr-11

Aircraft: N838SR

S/N: 2735

Hobbs: 1619.1

Flt Time: 1597.4

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL  
FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR  
CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

**Butler Aviation, Inc.**211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

SERVICE CENTER

Date: 25-May-11

Aircraft: N838SR

S/N: 2735

Hobbs: 1673.6

Flt Time: 1651.9

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL  
FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR  
CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

**Butler Aviation, Inc.**211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737

SERVICE CENTER

Date: 25-May-11

Aircraft: N838SR

S/N: 2735

Hobbs: 1673.6

Flt Time: 1651.9

REPLACED STARTER ADAPTER P/N 642085-1A1. OPERATIONAL AND LEAK CHECK GOOD.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

N838SR TCM IO-550-N50 S/N 691364 HOBBS 1568.3

5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 4-5-11  
(318) 387-0222 Repair Station #HLWR727E

Drained oil. Removed and inspected oil filter. Installed new CH48108-1 oil filter and serviced engine with 8 qts Phillips XC 20W50 oil. Cleaned, gapped, and tested all spark plugs. Washed and ground ran engine. Operational checks normal with no leaks noted.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.

MONROE AIR CENTER FAA APPROVED REPAIR STATION #HLWR727E  
MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED  WO# 12472



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

Brought For

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737



Date: 9-Jun-11  
Aircraft: N838SR  
S/N: 2735  
Hobbs: 1706.4  
Flt Time: 1684.6

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

THEO MILLS AP 3572974

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737



Date: 25-Jun-11  
Aircraft: N838SR  
S/N: 2735  
Hobbs: 1793.0  
Flt Time: 1771.2

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737



Date: 3-Aug-11  
Aircraft: N838SR  
S/N: 2735  
Hobbs: 1808.5  
Flt Time: 1786.7

REPLACED ENGINE DRIVEN FUEL PUMP P/N ETI-SR22-2-12 S/N GP5676. PERFORMED GROUND RUN. LEAK AND OPS CHECKED GOOD.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

### Butler Aviation, Inc.

211 AVIATION RD.  
HOUMA, LA 70363  
1.800.851.5737



Date: 18-Aug-11  
Aircraft: N838SR  
S/N: 2735  
Flt Time: 1812.0

DRAINED OIL AND SERVICED ENGINE WITH 8 QUARTS OF PHILLIPS X/C 20W50. REPLACED OIL FILTER WITH NEW CHAMPION CH48108-1 FILTER. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATES, NONE FOUND. RUN-UP LEAK CHECK PERFORMED, NO LEAKS NOTED AT THIS TIME.

AUTHORIZED SIGNATURE

PHILIP SCRIVNER IA2724196

### TORNADO ALLEY TURBO INC.

300 AIRPORT RD  
ADA, OK 74820

### ENGINE LOG BOOK ENTRY

21 MAY 2011

N838SR CIRRUS SR22-G3 SN: 2735 ACFT HOBBS: 1854.6 FLIGHT: 1839.2

TCM IO-550-N SN: 691364 ENG TT: 1839.2 ENG TSMOH: N/A

REMOVED THIS ENGINE FROM THIS ACFT ON THIS DATE AND THESE HOURS. NO KNOW FAULT WITH ENGINE.




DAVID R LANDRETH A&P 2651512 IA

TORNADO ALLEY TURBO, INC.







DATE	TACH OR RECORDING METER TIME	<b>DESCRIPTION OF WORK PERFORMED</b> <b>SIGNATURE &amp; CERTIFICATE NO. OF PERSON PERFORMING WORK</b>
		<p> <b>TORNADO ALLEY TURBO INC.</b>  <b>300 AIRPORT RD</b>  <b>ADA, OK 74820</b>  <b>ENGINE LOG BOOK ENTRY</b>  <b>24 OCT 2012</b>  <b>N851CD CIRRUS SR22-G2 SN: 1493 ACFT HOBBS: 2248.0 ACFT TT: 2248.0</b>  <b>TCM IO-550-N SN: 691364 ENG TT: 1839.2 ENG TSMOH: 0.0</b>            REMOVED PREVIOUS ENGINE AND INSTALLED NEWLY OVERHAULED ENGINE ON THIS DATE AND THESE AIRFRAME HOURS. ENGINE WAS OVERHAULED BY EAGLE ENGINES. SEE PREVIOUS LOG BOOK ENTRY FOR DETAILS. INSTALLATION COMPLETED IN ACCORDANCE WITH TCM AND CIRRUS INSTRUCTIONS.    <b>DAVID R. LANDRETH A&amp;P 2651512 IA</b> </p>
		<p> <b>TORNADO ALLEY TURBO INC.</b>  <b>300 AIRPORT RD</b>  <b>ADA, OK 74820</b>  <b>ENGINE LOG BOOK ENTRY</b>  <b>24 OCT 2012</b>  <b>N851CD CIRRUS SR22-G2 SN: 1493 ACFT HOBBS: 2248.0 ACFT TT: 2248.0</b>  <b>TCM IO-550-N SN: 691364 ENG TT: 1839.2 ENG TSMOH: 0.0</b>            INSTALLATION OF CIRRUS <b>TURBO NORMALIZING</b> SYSTEM KIT SERIAL NUMBER <b>3631</b>, COVERED UNDER STC <b>SA10588SC</b> AND STC <b>SE10589SC</b>, IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS REPORT <b>215-9 REV B</b> DATED 1 APR 2008 AND MASTER DRAWING LIST <b>ETI-G2-1 REV F</b>. SEE FLIGHT MANUAL SUPPLEMENT FOR OPERATION AND CONTINUED AIRWORTHINESS.            INSTALLED NEW <b>TURBO</b> PART NUMBER <b>466304-3</b> SERIAL NUMBER <b>MAL00211</b> ON THE RIGHT SIDE.            INSTALLED NEW <b>TURBO</b> PART NUMBER <b>466304-3</b> SERIAL NUMBER <b>LLL00015</b> ON THE LEFT SIDE.            INSTALLED NEW <b>WASTEGATE VALVE</b> PART NUMBER <b>477233-0003</b> SERIAL NUMBER <b>INA42-0002</b> ON THE RIGHT SIDE. INSTALLED NEW <b>WASTEGATE ASSEMBLY</b> PART NUMBER <b>470842-0004</b> SERIAL NUMBER <b>MAN00304</b> ON THE LEFT SIDE. INSTALLED NEW MANIFOLD PRESSURE <b>CONTROLLER</b> PART NUMBER <b>470688-5</b> SERIAL NUMBER <b>MHN00279</b>.            INSTALLED NEW PRESSURE <b>RELIEF VALVE</b> PART NUMBER <b>470944-17</b> SERIAL NUMBER <b>MHN00230</b>.            INSTALLED GENERAL AVIATION MODIFICATIONS, INC. TURBO GAMI INJECTORS KIT <b>TIGT 550-19B</b> SERIAL NUMBER <b>18307</b>. INSTALLATION COVERED UNDER TURBO SYSTEM STC.            INSTALLED NEW <b>STARTER DRIVE ADAPTER</b> PART NUMBER <b>642085-A15</b> SERIAL NUMBER <b>2401</b>.            INSTALLED NEW PRESSURIZED <b>MAGNETOS</b> PART NUMBER <b>10-500556-101</b> SERIAL NUMBER <b>D07HA048</b> LEFT AND PART NUMBER <b>10-500556-101</b> SERIAL NUMBER <b>D05EA302</b> RIGHT. INSTALLED NEW TCM IGNITION HARNESS <b>10-423674-33</b>. SET TIMING TO 22.0 DEGREES BTC.            REPLACED ALL SPARK PLUGS WITH NEW CHAMPION <b>RHB29E</b> SPARK PLUGS.            SERVICED ENGINE WITH 8 QUARTS AEROSHELL 100 STRAIGHT MINERAL OIL AND INSTALLED NEW CHAMPION <b>CH48108-1</b> OIL FILTER.            INSTALLED NEW TURBO NORMALIZED <b>FUEL PUMP</b> PART NUMBER <b>ETI-SR22-2-12</b> SERIAL NUMBER <b>GP5698</b>.            ALL SUPPORTING DOCUMENTS ARE KEPT ON FILE AT THIS FACILITY.            RUN UP, OP's, AND LEAK CHECK OK.    <b>DAVID R. LANDRETH A&amp;P 2651512 IA</b> </p>
		<p> <b>TORNADO ALLEY TURBO INC.</b>  <b>300 AIRPORT RD</b>  <b>ADA, OK 74820</b>  <b>ENGINE LOG BOOK ENTRY</b>  <b>25 OCT 2012</b>  <b>N851CD CIRRUS SR22-G2 SN: 1493 ACFT HOBBS: 2248.0 ACFT TT: 2248.0</b>  <b>TCM IO-550-N SN: 691364 ENG TT: 1839.2 ENG TSMOH: 0.0</b>            COMPLETED <b>ANNUAL INSPECTION</b> USING CIRRUS DESIGN CORPORATION SCHEDULED INSPECTION REPORT DATED 31 MAY 2011 AS A GUIDE. PERFORMED ALL INSPECTIONS AND MAINTENANCE AS REQUIRED BY THE TCM CONTINUED AIRWORTHINESS DOCUMENT.            PERFORMED AIRWORTHINESS DIRECTIVE SEARCH USING <b>AVANTEX DISC 2012-19</b>.            FOUND ALL AIRWORTHINESS DIRECTIVES COMPLIED WITH OR NOT APPLICABLE.            DID NOT PERFORM CYLINDER DIFFERENTIAL COMPRESSION CHECK BECAUSE OF NEW ENGINE INSTALLED ENGINE WAS SERVICED DURING ENGINE INSTALL AND TURBO SYSTEM INSTALLATION.            I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <b>ANNUAL INSPECTION</b> AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.    <b>DAVID R. LANDRETH A&amp;P 2651512 IA</b> </p>



## ***GRIFFING FLYING SERVICE, INC.***

3115 CLEVELAND ROAD, SANDUSKY, OHIO

419-626-5161

11/5/2013    N851CD    HOBBS    2333.1    TACH    N/A    SMOH    85.1  
TTE    1924.3

COMPLETED WITH ANNUAL INSPECTION IAW FAR 43 APPENDIX "D", USING THE CIRRUS DESIGN AND TORNADO ALLEY TURBO INSPECTION CHECKLISTS AS A GUIDE. CHECKED COMPRESSION # 1 77/80, # 2 77/80, # 3 75/80, # 4 75/80, # 5 76/80, # 6 76/80. CHANGED OIL AND FILTER, SERVICED ENGINE WITH 7 QUARTS OF PHILLIPS 20W50. COMPLIED WITH THE FOLLOWING: TORNADO ALLEY TURBO 50, 100 AND 200 HOUR INSPECTIONS, GAMJECTOR ANNUAL/100 HOUR CLEANING, SERVICE BULLETINS SB09-01, SB10-01, SB11-04, SB12-02, SERVICE INSTRUCTIONS SI08-01, SI08-04, SI08-05, SI11-01, SI11-03. THE FOLLOWING PARTS WERE INSTALLED: NEW GAMI FUEL INJECTOR LABELS. ALL AD'S CHECKED THRU DISC 2013-21. SEE SEPARATE AD, SB AND SI LISTING FOR CURRENT STATUS, SEE INSPECTION CHECKLIST FOR FURTHER DETAILS.

I Certify this ENGINE has been inspected in accordance with an ANNUAL  
inspection and returned to service in an airworthy condition.

And  
3106508 FA



Page No. \_\_\_\_\_

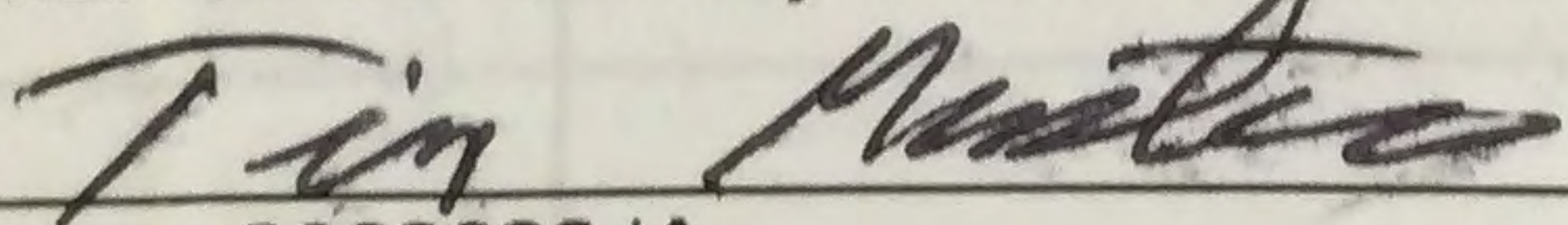
DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
------	------------------------------------	--

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

sampledd oil and replaced filter with AA48108 Filter  
 Cut open filter no metal found  
 Serviced with 1 pt Camgaud  
 Cleaned Air Filter element  
 Replaced Spark Plugs with UHRB32E cyl 1,2,4, 6,5  
 Replaced Vlave cover gasket clyinders #3 and #5  
 Replaced Cylinder #2 CHT probe part 14880-001  
 Compressions #1-75/80, #2 76/80, #3 76/80, #4 76/ 80, #5 75/80, #6 76/80  
 Removed and repaired slip joint LH Exhaust at Cylinder #4

**Engine Log Entry**  
 Date 10/2/2014  
 Hobbs 2602.1  
 Type SR22  
 Serial# 1493  
 Reg# N851CD

I certify that this enigne has been inspected in accordance with Annual Inpection and has been determined to be in Airworthy condition. This aircraft, airframe engine, popeller and/or appliance was repoured and/or inspected in accordance with current FAR's and manufacturer instructions and has found to airworthy for return to service

  
 Signed Tim Masters 2802663 IA Date \_\_\_\_\_





THE OHIO STATE UNIVERSITY AIRPORT

2160 West Case Road Hgr. 3  
Columbus, Ohio 43235-2526

CRS# IKBR028F

Date: 02/02/15

Work Order #: AM06402

N#: N851CD

Aircraft Make/Model: Cirrus Design SR22

Serial #: 1493

Hour Meter: 2616.8

Aircraft Total Time: 2616.8

**Engine Log:**

1. Performed Aircraft pre-buy evaluation per SAVVY Cirrus SR2x Prebuy Examination checklist, Phase 1 and phase 2.
2. Performed compression check: 1)74 2)72 3)72 4)74 5)74 6)74 (46/80)  
Borescoped all cylinders. Normal wear. No discrepancies noted at this time.  
Cut open oil filter. Normal appearance.

**"Maintenance Release"**

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

Signature: Ryan W. Lindholm for CRS# IKBR028F





## THE OHIO STATE UNIVERSITY AIRPORT

2160 West Case Road Hgr. 3

Columbus, Ohio 43235-2526

CRS# IKBR028F

Date: 02/02/15

Work Order #: AM06402

N#: N851CD

Aircraft Make/Model: Cirrus Design SR22

Serial #: 1493

Hour Meter: 2616.8

Aircraft Total Time: 2616.8

### Engine Log:

1. Performed Aircraft pre-buy evaluation per SAVVY Cirrus SR2x Prebuy Examination checklist, Phase 1 and phase 2.
2. Performed compression check: 1)74 2)72 3)72 4)74 5)74 6)74. (46/80). Borescoped all cylinders. Normal wear. No discrepancies noted at this time. Cut open oil filter. Normal appearance.
3. Adjusted T.O. manifold pressure slightly lower per Tornado Alley instructions.
4. Adjusted idle speed lower to 600-650 RPM.
5. Installed new p/n 10-320467 terminal ( C of C ) on #2 lower sparkplug ignition lead.

### "Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

END

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

for CRS# IKBR028F



DLK

AVIATION, INC.

2601 Cessna Lane NW Kennesaw, GA 30144 770-427-4954  
LOG ID# 16562 18-February-2015 WO# 15059  
N851CD S/N 1493 CIRRUS SR22  
HOBBS 2621.6

\*\*\* AIRFRAME LOG ENTRY \*\*\*

COMPLIED WITH S/B 2X-95-18R1 BY REPLACEMENT OF PARACHUTE WITH REBUILT UNIT BY CIRRUS DESIGN CORP WO# CSO 718455 DATED FEBRUARY 3, 2015 P/N 25574-004S S/N 01513R1 - NEXT DUE FEBRUARY 2025. NEW FRANGIBLE LINK RETROFIT KIT P/N 29705-002 REV C S/N 1343. REPLACED ROCKET ASSEMBLY WITH NEW UNIT KITS P/N 29500-003 AND 29500-003 S/N 0878 - NEXT DUE JANUARY 2025. INSTALLED ELECTRIC IGNITOR RETROFIT KIT LOT/DOM 140708 S/N 0878 RR#497580. COMPLIED WITH SERVICE BULLETIN 2X-95-13 BY INSTALLING P/N H880015 GROMMET AND P/N MS21266-6N EDGING GROMMET. REPLACED AFT BAGGAGE LOCKING THREAD STAND-OFF FOR PANEL P/N 50767-008. DRAINED OXYGEN. REMOVED OXYGEN FILL LINE TO GAIN ACCESS TO PARACHUTE. REINSTALLED LINE AND PANEL. SERVICED OXYGEN.

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#15059 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.




ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 27747



## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 11/13/2015  
A/C TSN: 2734.6  
ENG TT: 2325.8  
TSMOH: 486.6  
HOBBS: 2734.6

### Engine Entries

Complied with an Annual/100 HR inspection in accordance with FAR Part 43, Appendix D, using Cirrus Airplane Maintenance Manual Model SR22 section 05-20 as a guide. Changed oil and filter, serviced with Aeroshell 100W oil and CamGuard additive. Filter opened and inspected, no contamination found. Leak check satisfactory. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2015-22. Compressions #1 79/80, #2 76/80, #3 64/80, #4 79/80, #5 78/80, #6 76/80.... Oil sample taken and sent for analysis.... Inspected cylinders with borescope. No scores, pits, cracks, or corrosion present.... Performed ground run and made adjustments to manifold pressure, idle unmetered fuel pressure, and fuel flow aneroid. All readings now within limits per SID97-3 latest revision.... Removed magnetos for repair, left S/N D07HA048; Right S/N D05EA302. Installed after 500 hr service and repair by Aero Accessories CRS No. XB2R286L. Timed per engine data plate. Operational and leak check normal.

---

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

---

DATE: 11/13/2015

SIGNED:

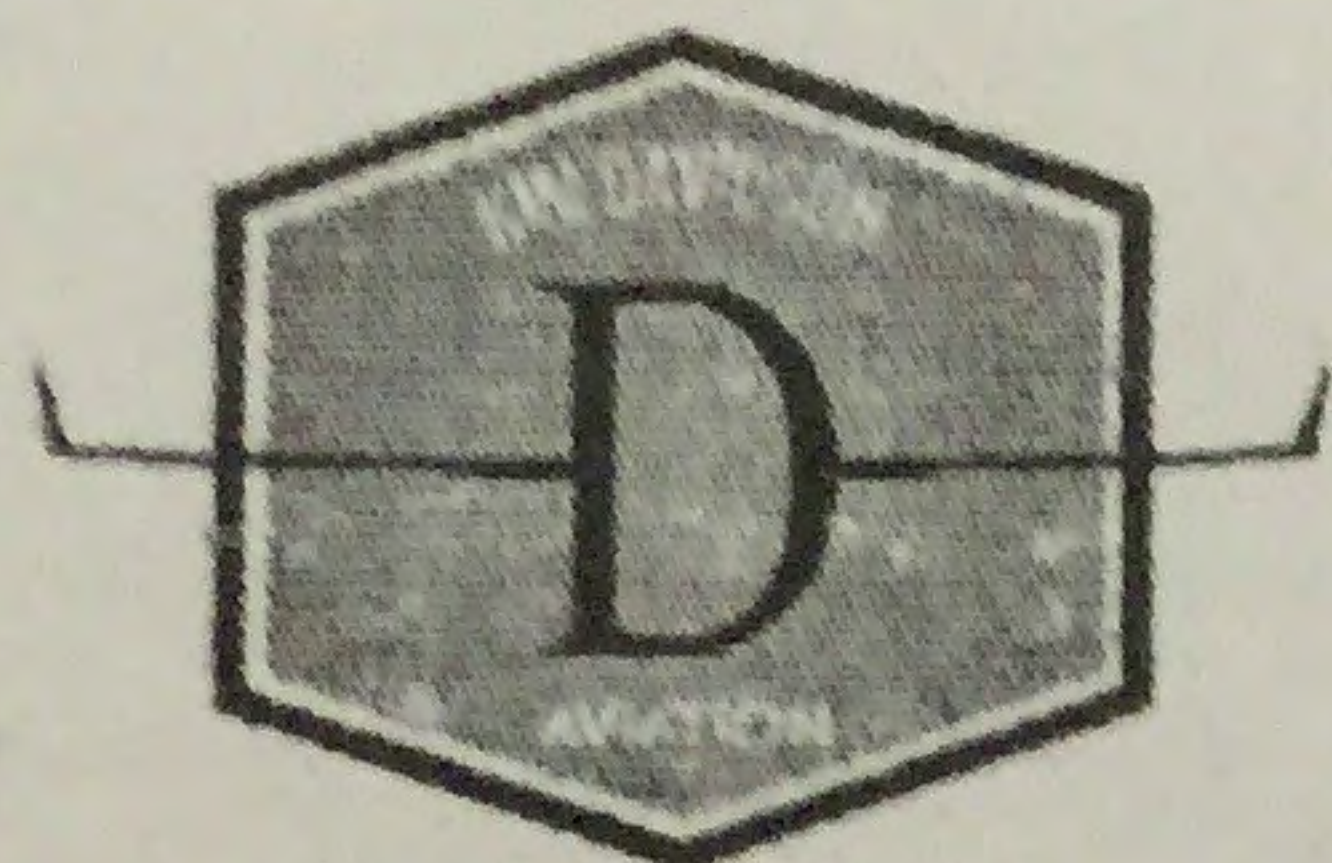
Richard Sanchez  
Certified Repair Station No. Z5SR421Y

Work Order: 27747

Printed by EBis 3 (datcomedia.com)



ENGINE MODEL: IO-550  
ENGINE S/N: 691354  
REG. NO: 851CD  
WORK ORDER: 18490



**Kim Davidson Aviation, Inc.**

Repair Station No. YYKR678L  
2701 Airport Avenue  
Santa Monica, CA 90405  
Phone: (Maint 310-391-6293) (Avionics 310-391-0692)

DATE: 5/10/2016  
A/C TSN: 2755.6  
ENG TT:  
TSMOH: 507.6  
HOBBS: 2755.6

**Engine Entries**

Removed and replaced oil with 8 qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open, inspected for metal and replaced w/new. No metal found at this time. Run up and no leaks noted. Oil analysis taken.

**Maintenance Release**

The aircraft, airframe, engine, propeller or appliance identified above was Repaired & Inspected in accordance with the current maintenance rules of the Federal Aviation Administration and is APPROVED FOR RETURN TO SERVICE.

DATE: 5/10/2016

SIGNED:

Work Order: 18490

Kim Davidson  
Certified Repair Station No. YYKR678L

Printed by EBis 3 (datcomedia.com)



ENGINE MODEL: IO550N  
ENGINE S/N 691364  
REG NO N851CD  
WORK ORDER: 28297

## American Aircraft Maintenance, Inc.

Repair Station No Z5SR421Y  
19711-B Campus Drive  
Santa Ana CA 92707  
Phone: (949) 852-8420

DATE 12/21/2016  
A/C TSN: 2798  
ENG IT 239  
TSMOH 550  
HOBBS: 2798

### Engine Entries

Complied with an Annual/100 HR inspection in accordance with FAR Part 43, Appendix D, using Cirrus Airplane Maintenance Manual Model SR22 section 05-20 as a guide. Changed oil and filter serviced with Aeroshell 100W oil. Filter opened and inspected, no contamination found. Leak check satisfactory. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2016-25. Compressions: #1 - 76/80, #2 - 72/80, #3 - 38/80, #4 - 73/80, #5 - 64/80, #6 - 74/80. Master orifice: 41/80.... Oil sample taken and sent for analysis.... Inspected fuel pump for operation and leaks. No leaks found. Operates normally.... AD 2016-16-12 does not apply due to parts installed.... Adjusted idle mixture to obtain proper idle cut-off rise of 40 RPM.... Removed and reinstalled #3 cylinder (P/N AEC654966, S/N G251) following repair by Corona Aircraft Engines, Inc., CRS # 09VR726Y.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

DATE: 12/21/2016

SIGNED:

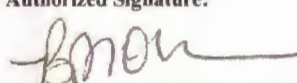


Michael Rogers  
Certified Repair Station No. Z5SR421Y

Work Order: 282

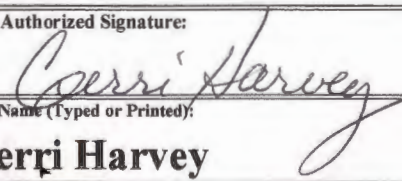
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N 851CD

1. Approving Civil Aviation Authority/Country:  FAA/United States		2.  <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number:  G251 CE	
4. Organization Name and Address:  Corona Aircraft Engines Inc. 1965 Aviation Drive Corona, CA 92880 USA					5. Work Order/Contract/Invoice Number:  G251	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	ECI Cylinder	AEC654966	1	G251	REPAIRED	
12. Remarks:  REPAIRED DUE TO BURNED VALVE REMOVED AND REPLACE EXHAUST GUIDE WITH NEW, INTAKE AND EXHAUST VALVE SWITH NEW LIMIT USED SERVICEABLE, HONED NICKEL CYLINDER TO RING FINISH AND REPLACE THE RINGS WITH NEW. REPAIRED INACCORDANCE WITH CORONA AIRCRAFT ENGINES, INC. FAA APPROVED DATA AND PROCEDURES. ECI S/N 85520-11						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
						O9VR726Y
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				Benjamin O'Con		06 DEC 2016
<b>User/Installer Responsibilities</b>						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>						



N851CD

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: <b>M1612070</b>	
4. Organization Name and Address: <b>Aeromotors, LLC 304 East Murray Street, Browntown WI. 53522 (01MR357Y)</b>					5. Work Order/ Contract/ Invoice Number: <b>M1612070</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Fuel Pump	5217-00-3	1	3742	Overhauled	
12. Remarks: <b>Overhauled / Repaired / Tested In Accordance With Procedure:AS28-033R8</b> <b>Details on attached Work Order Number : M1612070</b> -----Nothing Below-----						
13a. Certifies the items identified above were manufactured in conformity to:  Approved design data and are in a condition for safe operation.  Non-approved design data specified in Block 12.			14a <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature:		14c. Approval/Certificate No.:	
			 <b>Gerri Harvey</b>		<b>01MR357Y</b>	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
			<b>Gerri Harvey</b>		<b>13-Dec-2016</b>	
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.						
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s) / propeller(s) / article(s) from the airworthiness authority of the country specified in Block1.						
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



AEROMOTORS, LLC.  
REPAIR STATION NUMBER 01MR357Y  
304 EAST MURRAY ST. BROWNTOWN WI 53522

SERVICE WORK ORDER #: M1612070  
DATE: 12/09/2016

CUSTOMER: AMERICAN AIRCRAFT MAINT, INC  
CUSTOMER PO# 11854

PART NO. : 5217-00-3  
DESCRIPTION: FUEL PUMP (DUKES)  
SERIAL NUMBER: 3742  
DISCREPANCY: DUE OVERHAUL

PRELIMINARY AND TEAR DOWN INSPECTION:

INITIALS: *GH*

DATE: *12/12/16*

*Leaking O-Rings Worn Brushes, Bearings*

HIDDEN DAMAGE INSPECTION:

*N/A*

INITIALS: *GH*

DATE: *12/12/16*

CORRECTIVE ACTION:

OVERHAULED / REPAIRED I/A/W APPROVED PROCEDURE AS28-033R(8)

LIMITS: HIGH 28 VDC 4 AMPS MAX 42 GPH AT 16 PSI, 23 PSI MAX

LOW 28 VDC 4 AMPS 19 GPH AT 4 - 6 PSI, Hi - 96 GPH @ 16 psi 2.62 amp

*N.F. 23psi 2.80 amp / Lo - 51 GPH @ 5psi 1.51 amp N.F. 10psi 1.64 amp*

MECHANIC:

*Melody Kuen*

DATE: *12/12/16*

PARTS USED:

DESCRIPTION:

QUANTITY:

INSTALLED:

YES: NO:

<i>M3291513-114</i>	<i>O-Rings</i>	<i>2</i>	<i>X</i>	
AM2510	PRESSURE PLATE / BEARING ASSY	1	<i>X</i>	
AM2362	CAVITY	1	<i>X</i>	
AM1402	VANE (NYLATRON)	4	<i>X</i>	
MS29513-021	O-RING	1	<i>X</i>	
AM2514	ARMATURE	1	<i>X</i>	
AM2440	BRUSH	2	<i>X</i>	
AM1033	BEARING	2	<i>X</i>	
MISC-1	MISCELLANEOUS HARDWARE	1	<i>X</i>	
AM2516	FIELD COIL ASSY.	1	<i>X</i>	
AM2755	RESISTOR (684-MP930-5.0 OHMS)	2	<i>X</i>	
AM2644	SPRING	1	<i>X</i>	
AM2731	BELLEVILLE WASHER (B52200F006)	2	<i>X</i>	
AM2457	ROTOR / SHAFT ASSY	1	<i>X</i>	
AM2724	ENDBELL	1	<i>X</i>	
AM2653	END BELL ASSEMBLY	1		<i>X</i>
MS29513-022	O-RING	1	<i>X</i>	

THIS COMPONENT IDENTIFIED ABOVE WAS REPAIRED/OVERHAULED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND WAS FOUND AIR-WORTHY FOR RETURN TO SERVICE.

INSPECTOR:

*Carri Harvey*

DATE: *12/13/16*



ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 28297

## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 12/21/2016  
A/C TSN: 2798.8  
ENG TT: 2390  
TSMOH: 550.8  
HOBBS: 2798.8

### Engine Entries

Complied with an Annual/100 HR inspection in accordance with FAR Part 43, Appendix D, using Cirrus Airplane Maintenance Manual Model SR22 section 05-20 as a guide. Changed oil and filter, serviced with Aeroshell 100W oil. Filter opened and inspected, no contamination found. Leak check satisfactory. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2016-25. Compressions: #1 - 76/80, #2 - 72/80, #3 - 38/80, #4 - 73/80, #5 - 64/80, #6 - 74/80. Master orifice: 41/80.... Oil sample taken and sent for analysis.... Inspected fuel pump for operation and leaks. No leaks found. Operates normally.... AD 2016-16-12 does not apply due to parts installed.... Adjusted idle mixture to obtain proper idle cut-off rise of 40 RPM.... Removed and reinstalled #3 cylinder (P/N AEC654966, S/N G251) following repair by Corona Aircraft Engines, Inc., CRS # O9VR726Y.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

DATE: 12/21/2016

SIGNED:



Work Order: 28297

Michael Rogers  
Certified Repair Station No. Z5SR421Y

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ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 17-1184



## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 7/12/2017  
A/C TSN: 2852.1  
ENG TT: 2443.3  
TSMOH: 604.1  
HOBBS: 2852.1

### Engine Entries

Drained engine oil. Removed filter and cut open for inspection. No defects found. Serviced engine with AeroShell 100W oil. Installed new AA48108-2 filter, torqued and safetied. Washed engine.... Oil sample taken and sent for analysis.... Performed fuel flow setup and adjusted unmetered fuel pressure up slightly to proper limits IAW Cirrus SR22/SR22T AMM, Chapter 73-20 and Tornado Alley Continued Airworthiness Manual Doc. 22-6460004, Page 29. Operational check good.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

DATE: 7/12/2017

SIGNED:

A handwritten signature in black ink, appearing to read 'Michael Rogers', written over a horizontal line.

Work Order: 17-1184

Michael Rogers  
Certified Repair Station No. Z5SR421Y

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ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 17-1522



## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 1/17/2018  
A/C TSN: 2889.6  
ENG TT: 2480.8  
TSMOH: 641.6  
HOBBS: 2889.6

### Engine Entries

Complied with an Annual/100 HR inspection in accordance with FAR Part 43, Appendix D, using Cirrus Airplane Maintenance Manual Model SR22 section 05-20 as a guide. Changed oil and filter, serviced with Aeroshell 100W oil. Filter opened and inspected, no contamination found. Leak check satisfactory. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2017-25. Comp. test: 1)76 2)78 3)79 4)78 5)70 6)78... Completed cylinder borescope inspection on all cylinders. No discrepancies noted.... Re-timed magnetos to 22 degrees BTC per engine data plate.... Installed new clamp assembly p/n 641559 bracket and p/n 652436-1 clamp at #1 injector line and secured.... Cleaned and serviced air intake filter. Reinstalled on aircraft.... C/W Installed new heat shield on R/H turbo p/n 22-6380002... Removed fuel drain line. Installed new #2 fuel drain line P/N 13913-002. Re-routed drain line and adjacent oil lines to deter further chafing. Secured all lines.... Verified metered and un-metered fuel flows are in specification IAW Continental Data. no further actions required at this time.... Replaced spring, and bushing at slave waste gate with new p/n 22-5600009 spacer, p/n LEM120D-03-S spring. operational check good.... Adjusted waste gate control cable tension per waste gate functional check and adjustment report # 22-6460007.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR. IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

DATE: 1/17/2018

SIGNED:

Ysmael Galera

Certified Repair Station No. Z5SR421Y

Work Order: 17-1522

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ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 17-1906



## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 8/6/2018  
A/C TSN: 2938.1  
ENG TT: 2529.3  
TSMOH: 690.1  
HOBBS: 2938.1

### Engine Entries

Drained engine oil. Removed filter and cut open for inspection. No defects found. Serviced engine with 8qts AS100W oil. Installed new AA48108-2 filter, torqued and safetied. Washed engine. Ran engine to check for leaks. No leaks observed.... Oil sample taken and sent for analysis.

---

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

DATE: 8/6/2018

SIGNED:

A handwritten signature in black ink, appearing to read 'Ysmael Galera', written over a horizontal line.

Ysmael Galera  
Certified Repair Station No. Z5SR421Y

Work Order: 17-1906

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ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 17-2048



## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 2/12/2019  
A/C TSN: 2972  
ENG TT: 2563.2  
TSMOH: 724  
HOBBS: 2972

### Engine Entries

Complied with an Annual inspection in accordance with FAR Part 43, Appendix D, using Cirrus Airplane Maintenance Manual Model SR22 section 05-20 as a guide. Changed oil and filter, serviced with Aeroshell 100W oil. Filter opened and inspected, no contamination found installed and saftied new AA48108-2 filter. All Airworthiness Directives have been researched through bi-weekly issue 2019-01. Compression: 1) 78 2) 77 3) 78 4) 77 5) 72 6) 77 M.O 42 psi.... Oil sample taken and sent for analysis to Blackstone.... Completed cylinder borescope inspection using Maint/Overhaul Manual - IO-550-A, -B, -C, -G, -N, -P, -R Premold Series, 6-3.11.3. as a guide.  
No defects noted.... Replaced rocker covers P/N 655705 using Maint/Overhaul Manual - IO-550-A, -B, -C, -G, -N, -P, -R Permold Series, sections 12-13.1. (1)(2) and 17-3.6.2. (11)(12) as a guide.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE WORK PERFORMEND ARE ON FILE AT THIS FACILITY.

DATE: 2/12/2019

SIGNED

Ysmael Galera  
Certified Repair Station No. Z5SR421Y

Work Order: 17-2048

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**MATHER**  
AVIATION

818-782-7473

7240 HAYVENHURST AVENUE

VAN NUYS, CALIFORNIA 91406

**ENGINE LOGBOOK INSERT**  
SINGLE ENGINE

DATE 22-May-19

W.O. # 803985

Flight time 2982.4

ENG S/N \_\_\_\_\_

ENG CSN \_\_\_\_\_

ENG CSO \_\_\_\_\_

MODEL Cirrus SR22  
S/N 1483  
REG. NO. N851CD  
ENG MOD \_\_\_\_\_  
ENG TSN \_\_\_\_\_  
ENG TSO \_\_\_\_\_

1 Removed and replaced left and right turbochargers with new P/N 466304-0003. Removed RH S/N MAL00211 Installed RH S/N H-VLL00176. Removed LH S/N LLL00015 Installed LH S/N H-VLL00175. Replaced RH clamp with new P/N 11-1100023.

2 Adjusted LH exhaust.

I certify that with respect to the work performed, this aircraft/engine/propeller/appliance was repaired and inspected in accordance with current FAA regulations. Only those items specified in the SHOP Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Nicholas G Martin

Signature

CRS # 1MER830B

CERTIFICATE #

22-May-19

Date



ENGINE MODEL: IO550N  
ENGINE S/N: 691364  
REG. NO: N851CD  
WORK ORDER: 17-2391



## American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 11/8/2019  
A/C TSN: 2972  
ENG TT: 2563.2  
TSMOH: 724  
HOBBS: 3004.7

### Engine Entries

Installed a new alternator #1 field control module part number 29435-002 , serial number 8490. Operational test of Alternator #1 & #2 at 2000 RPM is now good. Charged Battery #1 per client request.

DATE: 11/8/2019

SIGNED:

A handwritten signature in dark ink, appearing to read 'Kevin Baughman', written over a horizontal line.

Kevin Baughman  
Certified Repair Station No. Z5SR421Y

Work Order: 17-2391

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MODEL SR22  
S/N 1493  
REG. NO. N851CD  
ENG MOD \_\_\_\_\_  
ENG TSN \_\_\_\_\_  
ENG TSO \_\_\_\_\_



**MATHER**  
**AVIATION**

818-782-7473

7240 HAYVENHURST PLACE

VAN NUYS, CALIFORNIA 91406

**ENGINE LOGBOOK INSERT**  
**SINGLE ENGINE**

DATE 17-Mar-20  
W.O. # 804307  
HOBBS 3016.7  
ENG S/N \_\_\_\_\_  
ENG CSN \_\_\_\_\_  
ENG CSO \_\_\_\_\_

- 1 Complied with an annual inspection
- 2 12 month Tornado Alley turbo ICA, ok at this time
- 3 350 hour LH vband clamp replacement. LH next due 3366.7, RH due 3332.4
- 4 Adjusted magneot timing to within limits
- 5 3 year / 300 hour replacment of the magneto pressurization filter P/N 1396-2
- 6 TAT SI08-04 inspection of the cabin heat augmentor / tailpip, ok at this time
- 7 Accomplished oil and filter change. Filter P/N CH48108-1 and serviced with 8 quarts of Aeroshell 100W. Oil sample taken for analysis
- 8 Compression test #1 72/80 #2 66/80 #3 74/80 #4 72/80 #5 50/80 #6 74/80

I certify this aircraft/engine/propeller has been inspected IAW current Federal Aviation Regulations part 43 appendix "D" (annual or 100 hour) inspection. Only the items specified in the Shop Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

William P Noctor

Signature

CRS# 1MER830B

CERTIFICATE # \_\_\_\_\_

17-Mar-20

Date



MODEL SR22  
S/N 1493  
REG. NO. N851CD  
ENG MOD \_\_\_\_\_  
ENG TSN \_\_\_\_\_  
ENG TSO \_\_\_\_\_



**MATHER**  
**AVIATION**

818-782-7473

7240 HAYVENHURST PLACE  
VAN NUYS, CALIFORNIA 91406

**ENGINE LOGBOOK INSERT**  
**SINGLE ENGINE**

DATE 23-Jul-20  
W.O. # 804465  
FLIGHT 3034.6  
ENG S/N \_\_\_\_\_  
ENG CSN \_\_\_\_\_  
ENG CSO \_\_\_\_\_

- 1 Accomplished oil and filter change. Filter P/N CH48108-1 and serviced with 8 quarts of Aeroshell 100W. Sample taken for analysis

I certify that this aircraft and / or component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

Nicholas Martin

Signature

CRS# 1MER830B

CERTIFICATE #

Date 23-Jul-20





# OIL REPORT

LAB NUMBER: M49867

UNIT ID: N851CD

REPORT DATE: 8/5/2020

CLIENT ID: 61507

CODE: 20/75

PAYMENT: CC: Visa (Bulk)

**UNIT**

MAKE/MODEL: Continental IO-550-N

FUEL TYPE: Gasoline (Leaded)

ADDITIONAL INFO: Cirrus SR22, Eng S/N 691364, Chrome &amp; Steel

OIL TYPE &amp; GRADE: Aeroshell W100 (AD)

OIL USE INTERVAL: 18 Hours

**CLIENT**

HENRIK JAHN  
MATHER AVIATION - VAN NUYS  
7240 HAYVENHURST PLACE  
VAN NUYS AIRPORT  
VAN NUYS, CA 91406

PHONE: (818) 782-7473

FAX:

ALT PHONE:

EMAIL: jverderber@matheraviation.com,  
bnoctor@matheraviation.com,

**COMMENTS**

HENRIK: Nice improvements in aluminum and nickel. It's true this was a shorter oil run than last time, but improved wear is still a likely explanation since these metals don't track all that closely with hours on the oil (mainly iron and lead do that). Hopefully metals are steady from here on. The flashpoint is low again, but this time only translating to a trace of fuel. A trace isn't quite the 0.5% or more we can put a percentage on, so it's mild. No water found. Nice report.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	18	UNIT / LOCATION AVERAGES	45	34	49	38	53	UNIVERSAL AVERAGES
	MI/HR on Unit			768	2,972	2,529	2,481	2,852	
	Sample Date	7/22/2020		3/4/2020	1/28/2019	8/6/2018	12/27/2017	7/10/2017	
	Make Up Oil Added	1 qt		4 qts	8 qts				
	ALUMINUM	8	9	23	11	16	12	22	7
	CHROMIUM	5	7	11	6	7	8	13	8
	IRON	28	43	65	34	43	51	84	48
	COPPER	4	6	8	4	5	6	11	6
	LEAD	3377	5009	6864	5106	5326	6279	7332	5561
	TIN	0	1	1	2	2	2	3	1
	MOLYBDENUM	3	10	7	4	6	5	11	3
	NICKEL	14	15	36	13	17	20	39	11
	MANGANESE	0	1	1	0	0	1	1	1
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	1	0	0	0	1	0
	POTASSIUM	0	1	0	0	0	4	0	1
	BORON	0	1	0	0	1	1	0	1
	SILICON	5	7	9	6	6	7	10	6
	SODIUM	1	2	1	1	1	0	0	1
	CALCIUM	1	45	2	1	1	3	5	37
	MAGNESIUM	0	1	1	1	0	0	0	1
	PHOSPHORUS	36	149	63	254	10	11	7	426
	ZINC	2	4	4	2	2	4	3	6
	BARIUM	0	0	0	0	0	0	0	0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	91.0	86-105	94.2	92.8	95.9	97.5	104.8
	cSt Viscosity @ 100°C	18.21	17.0-21.8	18.99	18.65	19.39	19.77	21.49
	Flashpoint in °F	460	>460	480	465	445	440	440
	Fuel %	TR	<1.0	<0.5	<0.5	0.8	1.0	1.0
	Antifreeze %	-		-	-	-	-	-
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.5	0.3	0.5	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





# MATHER AVIATION

818-782-7473

7240 HAYVENHURST PLACE

VAN NUYS, CALIFORNIA 91406

## ENGINE LOGBOOK INSERT SINGLE ENGINE

MODEL SR22  
S/N 1493  
REG. NO. N851CD  
ENG MOD \_\_\_\_\_  
ENG TSN \_\_\_\_\_  
ENG TSO \_\_\_\_\_

DATE 2-Aug-21  
W.O. # 804755  
FLIGHT 3071.8  
ENG S/N \_\_\_\_\_  
ENG CSN \_\_\_\_\_  
ENG CSO \_\_\_\_\_

- 1 Complied with an annual inspection
- 2 12 month tornado alley turbo ICA, ok at this time
- 3 Tornado Alley turbo SI20-01 oil inlet check valve installation inspection, ok at this time
- 4 Accomplished oil and filter change. Filter P/N CH48108-1 and serviced with 8 quarts of Aeroshell 100W. Oil sample taken for analysis
- 5 Compression test results: #1 74/80 #2 72/80 #3 78/80 #4 78/80 #5 52/80 #6 75/80

I certify this aircraft/engine/propeller has been inspected IAW current Federal Aviation Regulations part 43 appendix "D" (annual or 100 hour) inspection. Only the items specified in the Shop Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Nicholas Martin

Signature

CRS# 1MER830B

CERTIFICATE #

2-Aug-21

Date