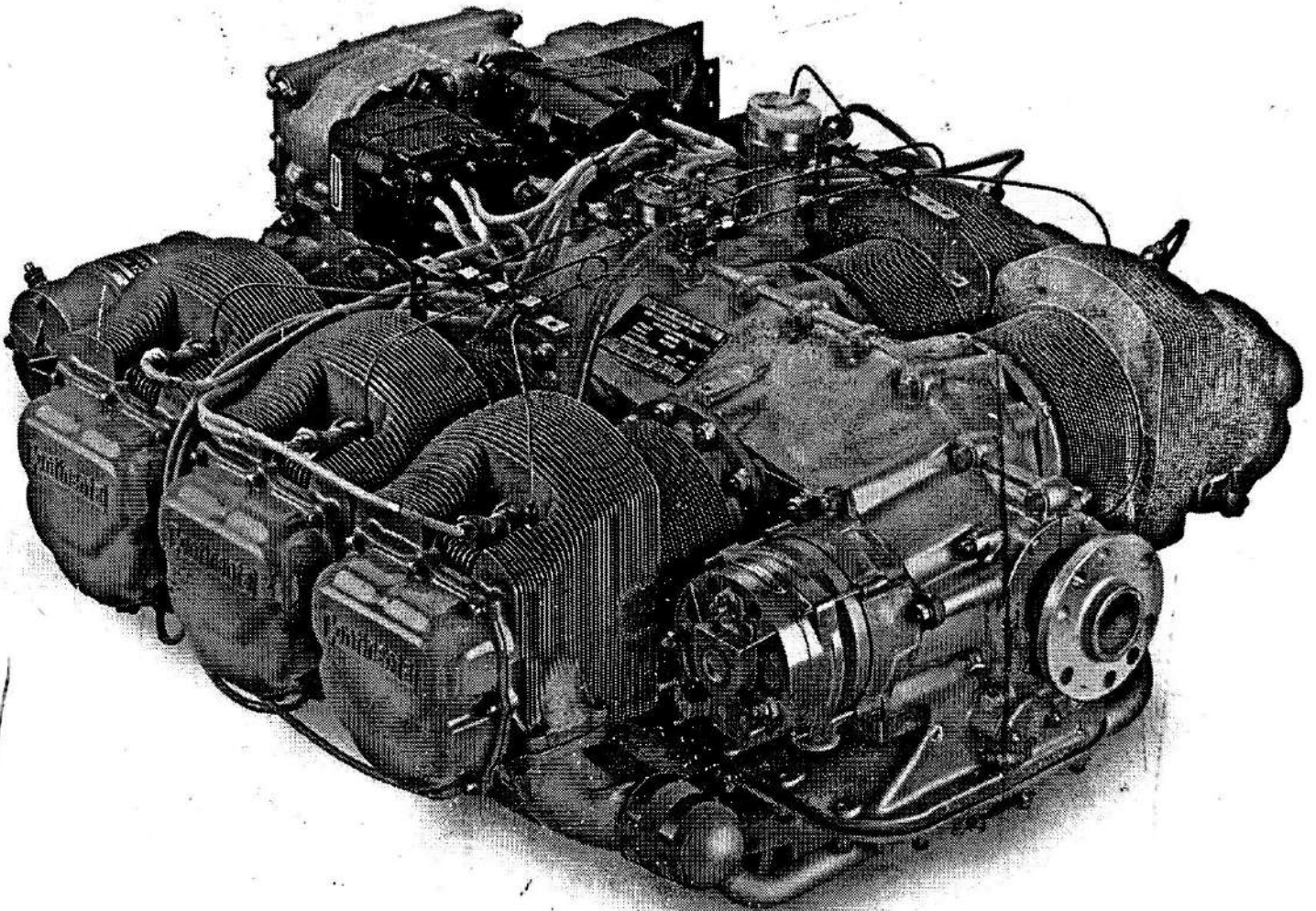


# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

### Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

### Engine Returns

All returned engines are to be shipped with this log book. Directly to:

**Teledyne Continental Motors**  
**Abbeville Industrial Park**  
**Suite 159**  
**Abbeville, AL 36310**

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



**Teledyne Continental Motors, Inc.**

A Teledyne Technologies Company

Printed: 03/30/2003

This engine model **I0550N7**, Serial No. **686891** was manufactured on **03/29/2003**

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.



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**TELEDYNE CONTINENTAL MOTORS**

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508





## **Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

**N 1539C Date: May 12, 2004**  
**Model # Cirrus SR22 S/N 0545**  
**AFTT/HOBBS 162.7**

### **ENGINE LOG ENTRY**

Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample Installed new ch48108-1 oil filter. Serviced engine with 7 Qts. of AeroShell W15-50 Oil. Ran engine, leak checked No problems noted. Installed a quick drain in oil pan p/n S6250.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. 021878**

  
CORPORATE JETS, INC.

FAA CRS# LN3R663L



## **Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

**N 1539C Date: July 16, 2004**  
**Model # Cirrus SR22 S/N 0545**  
**AFTT/HOBBS 208.8**

### **ENGINE LOG ENTRY**

Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample. Installed new ch48108-1 oil filter. Serviced engine with 7 Qts. of AeroShell W15-50 Oil. Ran engine, leak checked No problems noted.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. 021889**

  
CORPORATE JETS, INC.

FAA CRS# LN3R663L



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	→				N 1539C CIRRUS SR22 S/N 0545
2 SEPT. 2004	255	4			DRAINED ENGINE OIL, REMOVED OIL FILTER, INSPECTED, NO PROBLEMS. INSTALLED NEW CH48108-1 OIL FILTER. SERVICED ENGINE W/ 6 QTS. OF AEROSHELL W15W-50 OIL. RAN ENGINE. NO LEAKS.
					<i>Justin D. Anderson</i> - OWNER



**Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

N1539C Date: August 26, 2004  
Model # Cirrus SR22 S/N 0545  
AFTT/HOBBS 244.2

**AIRFRAME LOG ENTRY**

Removed & replaced with new #6 CHT probe p/n 14880-001, operational check was good.  
I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. 022282

*Justin D. Anderson*  
CORPORATE JETS, INC. FAA CRS# LN3R663L

23 OCT 04	306.9			N 1539C CIRRUS SR22 S/N 0545 DRAINED OIL, REMOVED OIL FILTER, INSPECTED, NO PROBLEMS, INSTALLED NEW CH48108-1 OIL FILTER. SERVICED ENGINE. WITH 6 QTS. OF AEROSHELL W15W-50. RAN ENGINE. NO LEAKS. <i>Justin D. Anderson</i> - OWNER
22 JAN. 05	357.5			N 1539C CIRRUS SR22 S/N 0545 DRAINED OIL, REMOVED OIL FILTER, INSPECTED, NO PROBLEMS, INSTALLED NEW CH48108-1 OIL FILTER. SERVICED ENGINE, WITH 6 QUARTS OF AEROSHELL W 15W-50. RAN ENGINE, NO LEAKS. <i>Justin D. Anderson</i> - OWNER
11 MARCH 05	378.9			N 1539C CIRRUS SR22 S/N 0545 DRAINED OIL, REMOVED OIL FILTER, NO PROBLEMS, INSTALLED NEW CH48108-1 OIL FILTER, SERVICED ENGINE, 6 QUARTS OF AEROSHELL W15W-50 RAN ENGINE, NO LEAKS. <i>Justin D. Anderson</i> - OWNER.



# Corporate Jets, Inc.

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

N1539C Date: April 15, 2005

Model # Cirrus SR22 S/N 0545

ACTT 396.4

TCM IO 550- S/N 686891 ETT 396.4

PHC-J3YF-1RF S/N FP2253B PTT 396.4

## ENGINE LOG ENTRY

Accomplished 50/100 hour, 6 & 12 month inspection in accordance with the manufacturers service manual, including the following special inspections:

**Compression check at 80psi:**

#1/ 74 #2/ 72 #3/ 73 #4/ 74 #5/ 73 #6/ 75

C/W 300hr fuel injector clean and inspection, no defects noted.

Installed new parts:

#4 induction tube gasket p/n 630824  
 starter p/n 656181 s/n 04 264 0040

Adjusted engine idle screw to 650-700 RPM.

Stop drilled crack in oil cooler flange.

I certify that this **ENGINE** has been inspected in accordance with an **100 HOUR** inspection and was found to be in an Airworthy Condition. W.O. 023320

FAA CRS# LN3R663L


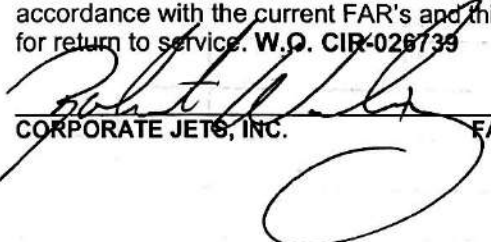
## Service and Maintenance Record

Inspections, Airworthiness Directives, Special Inspections, and Service Bulletins


<del>22 MAY '05</del>					
22 MAY '05	427	hrs.			1539C CIRRUS SR-22 S/N 0545 DRAINED OIL, REMOVED OIL FILTER, INSPECTED NO PROBLEMS - INSTALLED NEW CH48108-1 OIL FILTER. SERVICED ENGINE, WITH 6 QUARTS OF AEROSHELL 15W-50. RAN ENGINE, NO LEAKS Justin Adams - OWNER
21 AUG. 05	484	hrs			1539C CIRRUS SR-22 S/N 0545 DRAINED OIL REMOVED OIL FILTER, INSPECTED NO PROBLEMS - INSTALLED NEW CH48108-1 OIL FILTER. SERVICED ENGINE, WITH 6 QUARTS OF AEROSHELL W15W-50. RAN ENGINE, NO LEAKS Justin Adams - OWNER
9 DEC. 05	534	hrs			1539C CIRRUS SR-22 S/N 0545 DRAINED OIL REMOVED OIL FILTER, INSPECTED NO PROBLEMS - INSTALLED NEW CH48108-1 OIL FILTER. SERVICED ENGINE WITH 6 QUARTS OF AEROSHELL W15W-50. RAN ENGINE, NO LEAKS Justin Adams - OWNER





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 →					
 <b>Corporate Jets, Inc.</b> 14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400 <b>N1539C May 3, 2007</b> <b>Model # Cirrus SR22 S/N 0545</b> <b>AFTT/HOBBS 783.7</b>					
<b><u>ENGINE LOG ENTRY</u></b>					
<p>Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of Aeroshell 15W50 Oil. Ran engine, leak checked No problems noted.</p> <p>I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. <b>W.O. CIR-026739</b></p> <p>            CORPORATE JETS, INC. FAA CRS# LN3R663L</p>					

 **Corporate Jets, Inc.**  
 14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

**N1539C September 13, 2007**  
**Model # Cirrus SR22 S/N 0545**  
**AFTT/HOBBS 846.3**

**ENGINE LOG ENTRY**

Drained engine oil, removed engine oil filter. Took SOAP sample. Cut filter open, inspected, no problems noted. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of AeroShell 15W50 Oil. Ran engine, leak checked No problems noted.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. CIR-027362**

  
 CORPORATE JETS, INC. FAA CRS# LN3R663L

 **Corporate Jets, Inc.**  
 14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

**N1539C January 3, 2008**  
**Model # Cirrus SR22 S/N 0545**  
**AFTT/HOBBS 888.1**  
**TCM IO-550-N S/N 686891 ETT: 888.1**

**ENGINE LOG ENTRY**

Drained engine oil, removed engine oil filter. Took SOAP sample. Cut filter open, inspected, no problems noted. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of AeroShell 15W50 Oil. Ran engine, leak checked No problems noted.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. CIR-027867**

  
 CORPORATE JETS, INC. FAA CRS# LN3R663L





**Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

N1539C March 27, 2008

Model # Cirrus SR22 S/N 0545  
AFTT/HOBBS 942.5

TCM IO-550-N S/N 686891 ETT: 942.5  
**ENGINE LOG ENTRY**

Emergency AD 2008-06-51 E dated March 12, 2008 is not applicable to this IO Teledyne Continental engine.

Drained engine oil, removed engine oil filter. Took SOAP sample. Cut filter open, inspected, no problems noted. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of AeroShell 15W50 Oil. Ran engine, leak checked No problems noted.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. CIR-028206

CORPORATE JETS, INC. FAA CRS# LN3R663L



**Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

N1539C Date: May 09, 2008 1 of 2

Model # Cirrus SR22 S/N 0545  
ACTT 961.5

TCM IO 550 S/N 686891 ETT 961.5  
**ENGINE LOG ENTRY**

Accomplished 50/100 hour, 6 & 12 month inspection in accordance with the manufacturer's service manual, including the following special inspections:

- 300 Hour Fuel injector cleaning and inspection
- 500 Hour Engine mount weldment and lower mount attach fittings, verify torque.
- 4 Year Magneto overhaul

**Compression check at 80psi:**

#1/76 #2/76 #3/77 #4/75 #5/75 #6/70

Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of Aeroshell 15W 50oil.  
Ran engine, leak checked No problems noted.

Removed and reinstalled LH Magneto p/n 10-500536-1 s/n D03BA176 after overhaul.  
See FAA Form 8130-3 dated 5/01/08 by Airpower Accessories LLC.

Removed and reinstalled LH Magneto p/n 10-500536-1 s/n D03BA158 after overhaul.  
See FAA Form 8130-3 dated 5/01/08 by Airpower Accessories LLC.



**Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

N1539C SR22 S/N 0545 5/09/2008 2 of 2

Boroscope all engine cylinders. No abnormality, scaring or wear on inner walls. Per SOAP sample test, Retest SOAP in 25 flight hours.

I certify that this **ENGINE** has been inspected in accordance with a **100 HOUR** inspection and was found to be in an Airworthy Condition. W.O. CIR-028358

CORPORATE JETS, INC. FAA CRS# LN3R663L



**Corporate Jets, Inc.**

14600 North Airport Drive • Scottsdale, Arizona 85260 • (480) 948-2400

N1539C Date: May 12, 2008

Model # Cirrus SR22 S/N 0545  
ACTT 963.4

TCM IO 550 S/N 686891 ETT 963.4  
**ENGINE LOG ENTRY**

Installed new crankshaft seal p/n 641250.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. CIR-028425

CORPORATE JETS, INC. FAA CRS# LN3R663L



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 $\longrightarrow$					



Date 1/02/09 Hobbs 1032.1 AFTTIS \_\_\_\_\_ N Number 1539C  
 L-Tach \_\_\_\_\_ R-Tach \_\_\_\_\_ TTSN \_\_\_\_\_ TTSMOH \_\_\_\_\_  
 100 Hr       Annual       Repair       Other Complaint Change

**ENGINE**

Removed and replaced both top and bottom spark plug from #6 cyl. w/new Champion p/n RHB32E. Ops check satisfactory. I certify this aircraft is approved for return to service.

END

*[Signature]*  
 Scott Merrill  
 A&P 2766362IA



Date 3/20/09 P/N \_\_\_\_\_ S/N \_\_\_\_\_ N Number 1539C  
 Tach \_\_\_\_\_ Hobbs 1065.2 TTSN \_\_\_\_\_ TTSMOH \_\_\_\_\_  
 100 Hr       Annual       Repair       Other SERVICE

**ENGINE**

Serviced engine w/ 6 qts Aeroshell 15w-50 as per owner's request. Removed and replaced oil filter w/ new P/N CH48-108-1. Ops check satisfactory. I certify this aircraft is approved for return to service.

END

*[Signature]*  
 AP2766362IA



# LANDMARK AVIATION

14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

**N1539C June 17, 2009**

**Model # Cirrus SR22 S/N 0545**

**HOBBS: 1090.3**

**TCM IO 550 S/N 686891 ETT 1090.3**

## ENGINE LOG ENTRY

### **Engine Service and Maintenance Record**

ations, Inspections, Airworthiness Directives, Special Inspections, cations and Service Bulletins

Accomplished 50/100 hour, 6 & 12 month inspection in accordance with the manufacturer's service manual, including the following special inspections:

C/W 100 hour fuel injector cleaning using new o-rings p/n MS29513-010, brass seals p/n X1473 and seals p/n 640617.

#### **Compression check at 80psi:** **#1/60 #2/70 #3/70 #4/55 #5/76 #6/70**

Boroscope all engine cylinders. No abnormality, scarring or wear on inner walls.

Replaced #1, #2, #3, and #4 valve cover gaskets p/n 655705

Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of Aeroshell 15W 50 oil. Ran engine, leak checked No problems noted.

I certify that this **ENGINE** has been inspected in accordance with an **100 HOUR** inspection and was found to be in an Airworthy Condition. W.O. CIR-09-00220, CIR-09-00221

LANDMARK AVIATION

FAA CRS# LN3R663L



Date 9/18/09 P/N IO-550N S/N 686891 N Number N1539C  
Tach                      Hobbs 1115.5 TTSN                      TTSMOH                       
 100 Hr  Annual  Repair  Other Oil Change

#### ENGINE

Drained and sampled oil. Replaced oil filter w/ new p/n 48108-1. Serviced engine w/ 7 qts of Exxon Elite 20W-50. Cut and inspected oil filter and inspected small leak under cowl. No defects. Inspected amp meter connection. I certify that this aircraft is airworthy at this time.-----

  
Scott Merrill  
A&P# 27663621A





Record  
specifications,

Date 2/9/10 P/N IO-55N S/N 686891 N Number 1539C  
 Brought Tach Hobbs 1140.2 TTSN \_\_\_\_\_ TTSMOH \_\_\_\_\_  
 100 Hr  Annual  Repair  Other Component Change

**ENGINE**  
 Drained oil and obtained oil sample. Removed and replaced oil filter w/ new P/N CH48-108-1. Serviced engine w/ 6 qts Aeroshell 15W-50. Removed and replaced #4 cyl spark plugs top and bottom w/ new P/N RHB-32E. All work performed as per owner's request.

END  
  
 Scott Merrill  
 A&P# 2766362IA

**LANDMARK AVIATION**  
 14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400  
**N1539C July 23, 2010 pg 1 of 2**  
**Model # Cirrus SR22 S/N 0545**  
**HOBBS: 1186.4**  
**TCM IO 550 S/N 686891 ETT 1186.4**  
**ENGINE LOG ENTRY**

Accomplished 50/100 hour, 6 & 12 month inspection in accordance with the manufacturer's service manual, including the following special inspections:

C/W 100 hour fuel injector cleaning using new o-rings p/n MS29513-010, brass seals p/n X1473 and seals p/n 640617.

**Compression check at 80psi:**  
**#1/67 #2/70 #3/70 #4/66 #5/70 #6/75**  
**\*\* Cylinders changed**

Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample using customer supplied Blackstone kit. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of Aeroshell mineral oil. Ran engine, leak checked No problems noted. **Next Oil Change in 25 Hours or Hobbs: 1211.4**

Removed #2 cylinder p/n 655465A6BP s/n ukn  
 Installed new #2 cylinder p/n 655465A6BP s/n AC10AA407 with new hardware supplied in installation kit.

Removed #5 cylinder p/n 655465A6BP s/n ukn  
 Installed new #5 cylinder p/n 655465A6BP s/n AC109KA995 with new hardware supplied in installation kit.  
**N1539C SR22 S/N 0545 7/23/2010 2 of 2**

**Installed new non-serialized parts:**  
 LH Tailpipe p/n 15077-003  
 Tailpipe spring p/n 51381-001

I certify that this **ENGINE** has been inspected in accordance with an **100 HOUR** inspection and was found to be in an Airworthy Condition. W.O. C29-10-00526

LANDMARK AVIATION FAA CRS# LN3R663L

**LANDMARK AVIATION**  
 14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400  
**N1539C August 12, 2011**  
**Model # Cirrus SR22 S/N 0545**  
**HOBBS: 1320.2**  
**TCM IO 550 S/N 686891 ETT 1320.2**  
**ENGINE LOG ENTRY**

Accomplished 50/100 hour, 6 & 12 month inspection in accordance with the manufacturer's service manual, including the following special inspections:

**Compression check at 80psi:**  
**#1/60 #2/75 #3/75 #4/72 #5/70 #6/76**

Drained engine oil, removed engine oil filter. Cut filter open, inspected, no problems noted. Took SOAP sample using customer supplied Blackstone kit. Installed new CH 48108-1 oil filter. Serviced engine with 8 Qts. of Aeroshell oil. Ran engine, leak checked No problems noted.

Removed engine fuel pump p/n 655821-1AS s/n 803CA111. Installed overhauled pump p/n 655921-3A1 s/n B07AA224. See FAA Form 8130-3 dated 8/26/2010, W/O 10-329 by Great Planes Fuel Metering, Inc.

I certify that this **ENGINE** has been inspected in accordance with an **100 HOUR** inspection and was found to be in an Airworthy Condition. W.O. C29-11-00850

LANDMARK AVIATION FAA CRS# LN3R663L



Aircraft Maintenance & Repair

Date 10/26/10 P/N IO-550N S/N 0545 N Number N1539C  
FlightHobbs Hobbs 1227.3 TTSN TTSMOH  
 100 Hr  Annual  Repair xOther Oil Change

ENGINE

Drained and sampled oil. Replaced oil filter w/ new p/n CH48108-1. Serviced engine w/ 6 qts of Aeroshell 15W-50 as per owner's request. Serviced brake reservoir w/ 5606. Cut and inspected oil filter. No defects.

END

*Scott Merrill*  
Scott Merrill  
A&P#2766362IA

OUT OF ORDER



Aircraft Maintenance & Repair

Date 06/23/2011 P/N IO-550N S/N 686891 N Number N1539C  
Tach Hobbs 1302.8 TTSN TTSMOH  
 100 Hr  Annual XRepair  Other

ENGINE

Removed Airwolf air/oil separator. Cleaned and reinstalled. Cleaned and re-clocked air/oil valve. No leaks Detected.

END

*Scott Merrill*  
Scott Merrill  
A&P# 2766362IA

OUT OF ORDER



Aircraft Maintenance & Repair

Date 10/19/2011 P/N IO-550N S/N 686891 N Number N1539C  
Tach Hobbs 1338.1 TTSN TTSMOH  
 100 Hr  Annual XRepair  Other

ENGINE

Removed and replaced #4 cylinder EGT sensor with new p/n 14554-001.

END

*Scott Merrill*  
Scott Merrill  
A&P# 2766362IA



Date 1/24/2012 P/N IO-550-N S/N 686891 N Number N1539C  
 Tach \_\_\_\_\_ Hobbs 1357.1 TTSN \_\_\_\_\_ TTSMOH \_\_\_\_\_  
 100 H  Annual  Repair  Component change \_\_\_\_\_

ENGINE

Removed starter. Replaced starter with p/n 646275-1R s/n K040860. See 8130-3 dated, 1/24/2012 in logs. Starter working normally. Operational check satisfactory, no defects noted. -----

END

Scott Merrill  
A&P# 2766362IA



Date 3/20/2012 P/N IO-550N S/N 686891 N Number N1539C  
 Tach \_\_\_\_\_ Hobbs 1377.6 TTSN \_\_\_\_\_ TTSMOH \_\_\_\_\_  
 100 Hr  Annual  Repair  Other \_\_\_\_\_

ENGINE

Removed and replaced #3 and #5 cylinder EGT sensor with new p/n 14554-001. -----

END

Scott Merrill  
A&P# 2766362IA



Date 8/8/2012 P/N IO-550-N S/N 686891 N Number N1539C  
 Tach \_\_\_\_\_ Hobbs 1390.4 TTSN \_\_\_\_\_ TTSMOH \_\_\_\_\_  
 100 Hr  Annual  Repair  Other Component change \_\_\_\_\_

ENGINE

Removed, serviced, charged, tested and installed Aircraft battery. Removed and replaced cracked battery terminal boot w/new p/n MS25171-3S. Removed starter and starter adapter for overhaul. Intalled O/H starter adapter p/n 642083-A2 s/n CAM11-352 as per Teledyne Continental IO-550-N service manual and Niagra air parts installation instructions. See authorized release certificate form one dated 7/6/2012 in aircraft logs. Installed O/H starter p/n 6466275-1R s/n K040860 as per Teledyne Continental IO-550-N service manual. See FAA form 8130-3 dated 8/8/2012 in aircraft logs. Ran engine, no defects noted. Operational check satisfactory. -----

END

Scott Merrill  
A&P# 2766362IA

SunCountry Flight Services, LLC  
 4550 East McKellips Road, Suite 101  
 Mesa, Arizona 85215

SERVICE #: 30100

**ance Record**  
 s, Special Inspections,

Make: TCM  
 Date: 8/24/2012

Model: IO-550-N  
 S/N: 686891

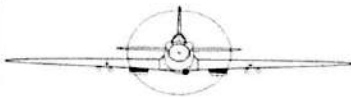
Reg No: N1539C  
 Tach Time: 1402.7

**Engine Log**

- ALL WORK PERFORMED IAW APPLICABLE CIRRUS AMM REV. 85 AND TCM PUBLICATION X30594 REV. AUG 2011.
- DRAINED OIL, TOOK BLACKSTONE SAMPLE MIDSTREAM, REMOVED AND INSPECTED OIL FILTER.
- INSTALLED NEW CH48109-1 OIL FILTER AND SERVICED WITH 7 QUARTS AEROSHELL 15W50.
- INSTALLED TWELVE NEW RH832E SPARK PLUGS.
- REPLACED BA-24 INDUCTION FILTER WITH NEW.
- REMOVED RIGHT AND LEFT MAGNETOS FOR 500 HOUR INSPECTION BY AIRCRAFT ENGINE SPECIALISTS UNDER WORK ORDERS: MI358-12-08, MI358-12-08. INSTALLED AFTER REPAIR AND TIMED TO ENGINE.
- PERFORMED DIFFERENTIAL COMPRESSION TEST, RESULTS AS FOLLOWS:  
 1: 62/80    2: 68/80    3: 60/80    4: 62/80    5: 72/80    6: 76/80
- REMOVED, CLEANED AND REINSTALLED FUEL INJECTORS WITH NEW O-RINGS.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A 100 HOUR INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

MARK KOHUT 3495949 A&P IA



**LEMAC AVIATION, LLC**  
 4550 EAST MCKELLIPS ROAD, SUITE 101  
 MESA, ARIZONA 85215

SERVICE #: 1504  
 DATE: 10/11/13  
 REGISTRATION: N/A

MAKE: N1539C	ENGINE: CONTINENTAL	HOBBS: N/A	TSMOH: N/A
MODEL: CIRRUS SR-22	MODEL: IO-550-N7	FLIGHT: 1503.1	TOP END: N/A
SERIAL: 545	SERIAL: 686891	TOTAL: 1503.1	

**ENGINE LOG**

- Run aircraft engine to temp IAW POH. Remove engine cowling and drain oil. Collect sample mid stream for engine analysis. Remove engine filter and inspect filter for contaminants. Install new filter and torque and safety.
- Add 7 quarts of Phillips XC 20w50 engine oil. Run aircraft engine and perform leak test, none noted. Replace engine cowling.
- Remove soiled engine induction filter and replace with new BA24 Brackett filter.
- Remove spark plugs and clean, regap, test and reinstall in aircraft
- Perform compression checks, results as follows:  
 1: 60    2: 66    3: 58    4: 60    5: 70    6: 74
- Timed magnetos to engine
- Performed SID97-3E. Final settings on file.
- Wash engine and perform post maintenance run up, no leaks noted.

*100 HOUR ME 9/2014*

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW AN ~~ENGINE~~ INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

MATTHEW EVJEN 3168041 *[Signature]*



Date 6/4/2015 P/N IO-550-N S/N- 686891 Tail Number N1539C  
 Tach                      Hobbs 1568.5 TTSN                      TTSMOH                       
 100 Hr                       Annual                       Repair                       Oil change

**ENGINE**

Drained and sampled oil. R&R oil filter w/new p/n CH 48-108-1. Serviced engine w/7qts Aero Shell 15W-50. Leak checked, operational check satisfactory.

*[Signature]*  
 Scott Merrill  
 A&P#2766362IA





12-8-15  
 MODEL: IO-550-N  
 S/N: 686891  
 TACH READING:  
 TTE:  
 TSMO: 0.0

AIRCRAFT ENGINE SPECIALISTS, LLC  
 2330 SOUTH AIRPORT BOULEVARD, SUITE #5  
 CHANDLER, ARIZONA 85286  
 (480) 516-0390 CRS # ZF7R728Y

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 ions,

Disassemble engine, cleaned, inspected, non-destructive tested wo N0666-12-06, overhauled, assembled and test run in accordance with CMI Overhaul Manual M-16 change 2 and appropriate service bulletins. Fuel controller pn 653353-8A1, sn A06DA095 and fuel flow divider pn 646433-9A4, sn C06DA139 overhauled wo 13-167. Fuel pump pn 655921-3A1, sn B07AA224 overhauled wo 15-650. Camshaft repaired wo 215190. Lifter bodies repaired wo's 216488, 233846. Oil cooler overhauled wo 110509. Starter pn 646275-1R, sn K040860 overhauled wo AES125524. Fuel injector nozzles overhauled wo 13-168. Crankshaft pn 649900, sn N06CA056 repaired wo 213812, complied with MSB 96-10B by ultrasonic inspection of crankshaft. Magneto S6RSC-25, pn 10-500556-1, sn D06AA189 overhauled wo M1407-12-10. Magneto S6RSC-25, pn 10-500556-1, sn D06AA254 overhauled wo M1306-12-06. New CMI cylinders pn 658595A2BP, sn's #1-AC15HB665, #2-AC15HB598, #3-AC15HB618, #4-AC15HB681, #5-AC15HB620, #6-AC15HB692. All new seals, gaskets, bearings, bushings, connecting rod bolt, spark plugs, ignition harness. AD's were checked for compliance, applicable AD's were complied with, see AD sheet. Engine test run and was found in airworthy condition. Further details of this engine overhaul may be found at this facility under work order E5228-15-10.

James Volkel

Parts Used on WO# E5228-15-10

1	501867	WASHER	1	654084 OHC	CAMSHAFT OHC	4	649205	SCREW
1	502287-3	RING	1	656085	VERNATHERM VALVE	4	654587-44	BOLT
1	521649-3	RING	1	656991	GEAR	4	SA638172	BUSHING, RUBBER
1	534685	BEARING	1	AE3663161E0360	HOSE ASSY	4	SA643626-105	PIN
1	534938	OIL SEAL	1	EQ7191	Gasket Set Major O/H	6	24764	SCREW
1	539800M15	SPRING	1	ES48108-1	FILTER, OIL	6	641559	BRACKET
1	629518-3H	PLUG	1	M1730	HARNNESS	6	652436-1	CLAMP
1	630871 U/S	BUSHING U/S	1	MS35756-8	KEY	6	656990	SCREW
1	630979-24	O-RING	1	SA533355	GASKET	6	658595A2	CYLINDERS
1	632018 U/S	GEAR ALT. DRIVE	1	SA534743	GASKET	6	SA530658	BUSHING CONN ROD (SPLIT)
1	632224	BAFFLE	1	SA537745	GASKET	6	SA630046	PIN
1	633845	SCREW	1	SA630680	BEARING	8	AEC641931-10.75	THRU BOLT
1	641250	SEAL	1	SA641250	SEAL	8	SA350998	BUSHING
1	641368	BEARING	1	X13041	BEARING	6	646277 OHC	LIFTER OHC
1	641742 U/S	GEAR	2	10-500556-1 OHC	MAGNETO OHC	12	652963	BUSHING
1	642335A1	REL VALVE KIT	2	630899	BEARING	12	654490	NUT
1	642892	GASKET	2	641361	RETAINER	12	655958	BOLT
1	646299	BRACKET ASM	2	641909	PLATE	12	656642	VALVE ROCKER
1	646416	BUMPER	2	MS29513-012	O-RING	12	QS100M32H	CLAMP
1	646592A2	BEARING SET	2	SA632443A-4	NUT, SELF-LOCK	12	RHB32E	SPARK PLUG
1	649369	VERNATHERM	2	SA643626-103	PIN	12	SA632459-S	GASKET
1	649965	GASKET	2	SA643626-104	PIN	12	SA642398	BEARING
1	652887-5.31	BOLT	3	CH48108-1	FILTER	16	SA629104	SNAP RING
1	652887-6.19	STUD	4	2024	PLUG 125C/SUNK HD PIPE	16	SA639193	BUSHING
1	653359	COUPLING	4	632120	WASHER	16	SA643629	PLATE
1	653415	GASKET	4	646414	BUMPER	24	501868	WASHER

-END-



**LEMAC AVIATION, LLC**  
 4550 EAST MCKELLIPS ROAD, SUITE 101  
 MESA, ARIZONA 85215

SERVICE #: 1195  
 DATE: 1/1/16  
 REGISTRATION: N1539C

MAKE: CIRRUS      ENGINE: TCM      HOBBS: 1678.9      TSMOH: 0  
 MODEL: SR22      MODEL: IO-550-N      FLIGHT: N/A      TOP END: N/A  
 SERIAL: 0545      SERIAL: 686891      TOTAL: 1678.9

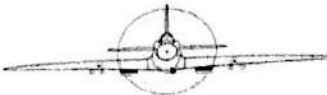

**ENGINE LOG**

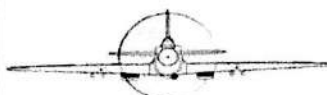

- Installed engine IAW Cirrus AMM 71-00 dated June 15, 2010.
- Installed four new exhaust springs pn: 50442-001.
- Installed new BA-24 induction filter.
- Serviced engine with 9 quarts Phillips 20w50 x/c. Next oil change due at tach: 1688.9.
- Adjusted idle to 750 rpm.
- Performed four initial runs. No leaks found and engine develops full power.


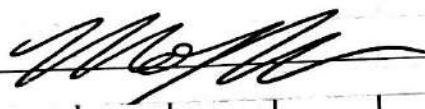
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A 100 HOUR INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

MATTHEW EVJEN 3168041 A&P IA 

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.	

	<b>LEMAC AVIATION, LLC</b>		SERVICE #: 1274
	4550 EAST MCKELLIPS ROAD, SUITE 101 MESA, ARIZONA 85215		DATE: 8/10/16 REGISTRATION: N1539C
MAKE: CIRRUS	ENGINE: TCM	HOBBS: 1691.7	TSMOH: 12.8
MODEL: SR22	MODEL: IO-550-N	FLIGHT: N/A	TOP END: N/A
SERIAL: 0545	SERIAL: 686891	TOTAL: 1691.7	
<b>ENGINE LOG</b>			
* Drained oil, removed and inspected oil filter. Installed new CH48108-1 filter and serviced engine with 7 quarts of Phillips 20w50 x/c oil.			
MATTHEW EVJEN 3168041 A&P IA 			

	<b>LEMAC AVIATION, LLC</b>		SERVICE #: 1457
	4550 EAST MCKELLIPS ROAD, SUITE 101 MESA, ARIZONA 85215		DATE: 9/19/17 REGISTRATION: N1539C
MAKE: CIRRUS	ENGINE: TCM	HOBBS: 1705.5	TSMOH: 26.6
MODEL: SR22	MODEL: IO-550-N	FLIGHT: N/A	TOP END: N/A
SERIAL: 0545	SERIAL: 686891	TOTAL: 1705.5	
<b>ENGINE LOG</b>			
<ul style="list-style-type: none"> <li>Inspected engine IAW FAR 43 Appx D and Cirrus AMM 05-20.</li> <li>Performed a differential compression test, results as follows: 1: 76/80 2: 76/80 3: 76/80 4: 76/80 5: 76/80 6: 78/80</li> <li>Drained oil, took sample midstream for Blackstone analysis, removed and inspected filter.</li> <li>Installed new CH48108-1 oil filter and serviced engine with 7 quarts of Phillips 20W-50 X/C.</li> <li>Cleaned, inspected and tested all spark plugs. Installed with new gaskets.</li> <li>Complied with all SB's and SI's.</li> </ul>			
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A 100 HOUR INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.			
MARK TORGERSON 3207874 A&P IA 			

N1539C		CONTINENTAL
HOBBS:1722.2		IO-55-N
ETT:1722.2		S/N 686891
TSOH:43.3		2/1/19
<ol style="list-style-type: none"> <li>PERFORM OPERATIONAL RUN AND CHECK.</li> <li>DRAINED OIL AND REMOVED OIL FILTER AND CUT OPEN, NO METAL FOUND. SERVICED ENGINE WITH 7 QTS PHILLIPS 20/50 AND INSTALLED NEW AA48108-2 OIL FILTER.</li> <li>PERFORM COMPRESSION TEST AS FOLLOWS: #1)72/80 #2)79/80 #3)77/80 #4)75/80 #5)75/80 #6)79/80.</li> <li>REMOVE, CLEAN, INSPECT, GAP, TEST AND REINSTALL SPARK PLUGS WITH NEW GASKETS.</li> <li>INSTALL NEW BA-24 INDUCTION AIR FILTER.</li> <li>PERFORMED POST OPERATIONAL CHECK AND LEAK CHECK GOOD.</li> </ol>		
REFERENCE CIRRUS SR22 MM AND CONTINENTAL MM FOR WORK PERFORMED. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100/ANNUAL HOUR INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDONDITION.		
MARK TORGERSON 	AP3207874	

