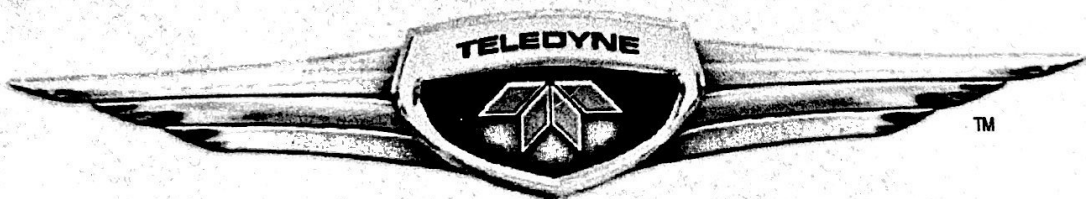
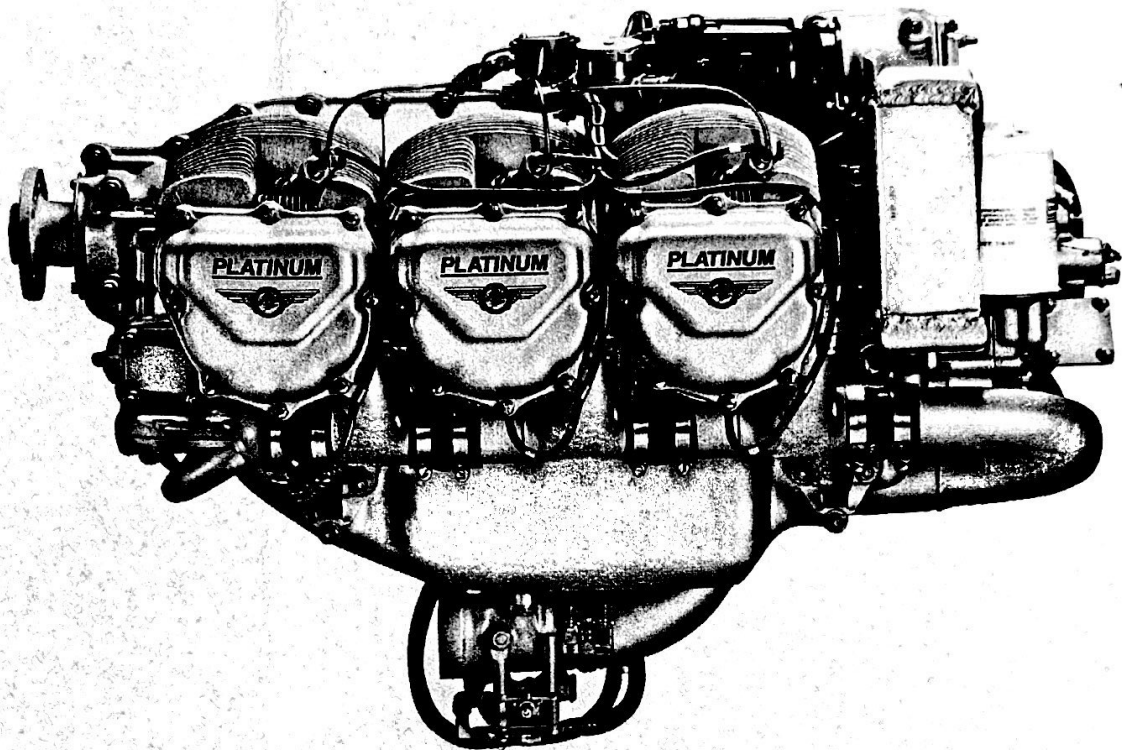
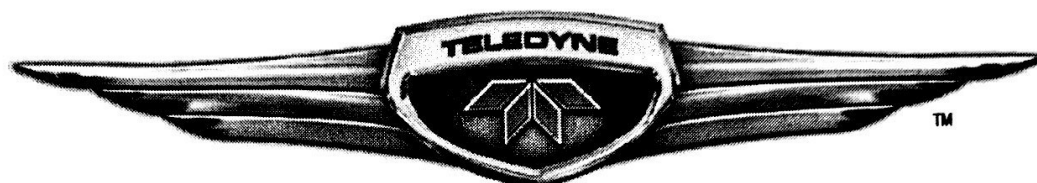


# PLATINUM ENGINE LOG BOOK



# CONTINENTAL MOTORS

# 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: 05/23/2007

This engine model **I0550N46**, Serial No. **691164** was manufactured on **05/22/2007** 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


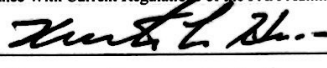

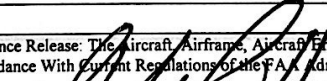
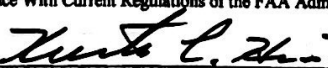
### **Service Information**

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  
2039 Broad Street  
Mobile, AL 36615

Date	Total Time		Time Since Last Overhaul		<div>Engine Service and Maintenance Record</div> <div>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</div>
	Hrs.	Min.	Hrs.	Min.	
					<div><div></div><div>1001 Airport Road Destin, Florida 32540 Anti-Drug/Alcohol Plan #B-SO-00156S CRS#DZJR423D</div></div> <div><div>Miracle Strip Aviation</div><div>N# 436SR Hobbs: 17.8</div><div>except as stated below, no other work, inspection, Corrective action or determination of Airworthiness was made at this time.</div><div>Description of work performed: DRAINED OIL, REMOVED AND INSPECTED FILTER ELEMENT. INSTALLED NEW CH48108-1 FILTER, SERVICED 8 QTS OF AEROSHELL 100 MINERAL OIL, INSPECTED ENGINE FOR LEAKS AND GENERAL CONDITION, RUN AND LEAK CHECK GOOD, DONE I/A/W MFR, M.M.</div><div>Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected In Accordance With Current Regulations of the FAA Administration and is approved for return to service.</div><div>Signed:  CRS#DZJR423D</div><div>WO# 50-07-0466 Date: 9-17-2007</div></div>
					<div><div></div><div>1001 Airport Road Destin, Florida 32540 Anti-Drug/Alcohol Plan #B-SO-00156S CRS#DZJR423D</div></div> <div><div>Miracle Strip Aviation</div><div>N# 436SR Hobbs: 54.2</div><div>except as stated below, no other work, inspection, Corrective action or determination of Airworthiness was made at this time.</div><div>Description of work performed: DRAINED OIL TOOK SAMPLE REMOVED FILTER CUT OPEN NO PPD NOTED REPLACED FILTER (PIN CH48108-1) AND SERVICED WITH 8 QTS OF AEROSHELL 15W50 RUN-UP LEAK CHECK GOOD ALL WORK DONE IAW MFR-MM</div><div>Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected In Accordance With Current Regulations of the FAA Administration and is approved for return to service.</div><div>Signed:  CRS#DZJR423D</div><div>WO# 50-07-0570 Date: 11/26/07</div><div><div>MIRACLE STRIP AVIATION</div><div>AVIATION</div><div>AVIATION DESTIN</div><div>1001 Airport Road Destin, Florida 32540 CRS DZJR423D</div></div></div>
					<div><div>N# 682TR Hobbs: 90.7</div><div>except as stated below, no other work, inspection, Corrective action or determination of Airworthiness was made at this time.</div><div>Description of work performed: TOOK OIL SAMPLE DRAINED OIL REMOVED AND INSPECTED FILTER ELEMENT. INSTALLED NEW CH48108-1 FILTER AND SERVICED 8 QTS. AEROSHELL 15W50 PIL. GROUND RUN &amp; LEAK CHECK GOOD.</div><div>Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected In Accordance With Current Regulations of the FAA Administration and is approved for return to service.</div><div>Signed:  CRS#DZJR423D</div><div>WO# 50-08-0082 Date: 2-29-08</div></div>



Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins
<div style="text-align: right;">→</div>				

1001 Airport Road  
Destin, Florida 32540  
CRS DZJR423D



N# 682TR Hobbs: 138.9 except as stated below, no other work, inspection, Corrective action or determination of Airworthiness was made at this time.

Description of work performed:

C/W 100 HOUR INSPECTION I/A/W  
CIRCUITS A.M.M. 05-20/0530. TOOK  
OIL SAMPLE. CHANGED OIL AND FILTER  
INSPECTED OLD ELEMENT. SERVICED  
8 QTS AEROSHELL 15W50. REPLACED  
INDUCTION FILTER. CLEANED, GAPPED  
AND TESTED SPARK PLUGS. DIFFERENTIAL  
COMPRESSIONS TESTED.

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected In Accordance With Current Regulations of the FAA Administration and is approved for return to service.

Signed: [Signature] CRS#DZJR423D

WO# 50-08-0050 Date: 5-8-8

### DIFFERENTIAL COMPRESSION

1 80/ 78 3 80/ 75 5 80/ 68

2 80/ 76 4 80/ 76 6 80/ 78

HOURS 138.9 DATE 5 MAY 2008

AT THE TIME OF THIS INSPECTION, I CERTIFY THAT  
THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE  
WITH A ANNUAL INSPECTION AND WAS DETERMINED  
TO BE IN AIRWORTHY CONDITION.

[Signature] CRS DZJR423D

Maintenance Release: The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance was Repaired and Inspected in Accordance with Current Regulations of the FAA Administration and is Approved for Return To Service.

Signed: [Signature]  
For Miracle Strip Aviation CRS#DZJR423D

**MIRACLE STRIP**  
**AVIATION**  
**AVIAT DESTIN**

N# 682TR Hobbs: 177.1

Description of work performed:  
Drained oil. Took sample. Removed filter. No debris noted. Installed new filter P/N# CH48108-1. Serviced with Rotax Heral shell multigrade. Ops + leak check good. All work VAW MFR-MM.

**Signed:**

WO#

SO-08-0357

CRS#DZJR423D

Date:

8/4/08

## C/w COMPRESSION TEST

# ~~DIFFERENTIAL COMPRESSION~~

1 80/ 76 3 80/ 75 5 80/ 79

2 80/ 72    4,80/ 77    6 80/ 74

M. Z. (CNS D25R4231)



**Leading Edge Aviation Services**  
**Vandenberg Airport**  
**Tampa, FL 33610**  
**(813)-626-1515**

4 December 08

**N682TR**

Hobbs: 223.8 Flt. Hobbs: 212.1



**Drained oil and serviced with 7 quarts of Aero Shell 15W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowlings and performed run up.**

*[Signature]*

Brian Bills A&P3197850

Time Since		Last Overhaul	
Hrs.	Min.	Hrs.	Min.

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

**LEADING EDGE**

AVIATION SERVICES, INC.

**Tampa, FL**



AUTHORIZED SERVICE CENTER

Date: 6/11/2009; Aircraft: N682TR; Type: CIRRUS; S/N: 2577; Hobbs: 285.6; Total Time: 271.3; Engine - Type: IO-550N (27), S/N: 691164, Time: 271.3

- Complied with Cirrus 100hr inspection checklist.
- Cleaned engine and performed run up. Inspected for leaks and general overall condition.
- Drained oil and serviced with 8 quarts of Aero Shell 15W 50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowlings and performed run up.
- Complied with fuel set-up (TCM SID 97-3E).
- Removed cleaned gapped spark plugs verified correct mag timing L&R.
- Performed compression check 1/70,2/72,3/64,4/72,5/62,6/72.
- Inspected Fuel nozzles for leaks.
- Inspected electrical wiring for chafing and security.
- Inspected Fluid carrying hoses.
- Removed gascolator cleaned, inspected and reinstalled.
- Replaced air filter P/N BA-24.
- Verified AD compliance through Bi-weekly issue 2009-11.
- AD 2007-16-10 N/A part not installed.
- Performed post inspection operational check of aircraft systems - all working normal at this time.

I certify this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM Section 5-20 and is found to be airworthy at this time.

Ed Speck  A&P 26634981A  
6582 Eureka Springs Rd. Tampa, FL 33610  
Tampa Executive Airport (KTPX) 813 626 1515

**LEADING EDGE**

AVIATION SERVICES, INC.

**Tampa, FL**



AUTHORIZED SERVICE CENTER

Date: 10/27/2009; Aircraft: N682TR; Type: CIRRUS; S/N: 2577; Hobbs: 326.3; Total Time: 312.0; Engine - Type: IO-550N (27), S/N: 691164, Time: 312.0, SMOH: 312.0

- Drained oil and serviced with 8 quarts of Aeroshell 15W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowlings and performed run up.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Jonathan Bennett  A&P 3026634  
6582 Eureka Springs Rd. Tampa, FL 33610  
Tampa Executive Airport (KTPX) 813 626 1515

Hrs. Min. Hrs. Min. Modifications and Service Bulletins

Brought Forward →

**LEADING EDGE**

AVIATION SERVICES, INC.

Tampa, FL



AUTHORIZED SERVICE CENTER

Date: 6/01/2010; Aircraft: N682TR; Type: CIRRUS; S/N: 2577; Hobbs: 373.2; Total Time: 358.9; Engine - Type: IO-550N (27), S/N: 691164, Time: 358.9

- Complied with Cirrus 100hr inspection checklist.
- Cleaned engine and performed run up. Inspected for leaks and general overall condition.
- Drained oil and serviced with 8 quarts of Aeroshell 15W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowlings and performed run up.
- Replaced 2 spark plugs with new. P/N: RHB32E
- Complied with fuel set-up (TCM SID 97-3E).
- Removed cleaned gapped spark plugs verified correct mag timing L&R.
- Performed compression check 1/72,2/68,3/66,4/73,5/64,6/66.
- Inspected Fuel nozzles for leaks.
- Inspected electrical wiring for chafing and security.
- Inspected Fluid carrying hoses.
- Removed gascolator cleaned, inspected and reinstalled.
- Replaced air filter P/N BA-24.
- Verified AD compliance through BI-weekly issue 2010-10
- Performed post inspection operational check of aircraft systems - all working normal at this time.
- Work performed with reference to Cirrus SR-22 AMM.

I certify this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM Section 5-20 and is found to be airworthy at this time.

Paul Stern

6582 Eureka Springs Rd. Tampa, FL 33610  
Tampa Executive Airport (KTPX) 813 626 1515

A&P 3078823IA

9-21-2010 Hobbs 399.3 Engine flight time 385.0  
Removed McCauley Governor M/N C290 03 RT23  
S/N 070198 And Sent to O/H Shop  
James J. Broady 2220988 A&P  
9-24-2010 Reinstalled above Governor: OPERATIONAL  
Ground check OK.  
Dix M Wynt A&P IA 1483460 D M Wynt



Last Overhaul			
Hrs.	Min.	Hrs.	Min.

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Brought Forward →

**LEADING EDGE**

AVIATION SERVICES, INC.

Tampa, FL

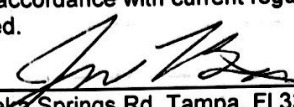


AUTHORIZED SERVICE CENTER

Date: 3/03/2011; Aircraft: N682TR; Type: CIRRUS; S/N: 2577; Hobbs: 417.4; Total Time: 402.9; Engine - Type: IO-550N (27), S/N: 691164, Time: 402.9

-Drained oil and serviced with 8 quarts of Aeroshell 15W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowling and performed run up.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Jonathan Bennett  A&P 3026634  
6582 Eureka Springs Rd. Tampa, FL 33610  
Tampa Executive Airport (KVDF) 813 626 1515

**LEADING EDGE**

AVIATION SERVICES, INC.

Tampa, FL



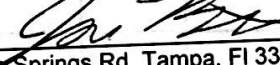
AUTHORIZED SERVICE CENTER

Date: 3/03/2011; Aircraft: N682TR; Type: CIRRUS; S/N: 2577; Hobbs: 417.4; Tach: 402.9; Total Time: 402.9

-Removed & replaced NACA insulation duct with new.

-Removed & replaced A/C drive bushings with new.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Jonathan Bennett  A&P 3026634  
6582 Eureka Springs Rd. Tampa, FL 33610  
Tampa Executive Airport (KVDF) 813 626 1515

**LEADING EDGE**

AVIATION SERVICES, INC.

Tampa, FL



AUTHORIZED SERVICE CENTER

Date: 7/06/2011; Aircraft: N682TR; Type: CIRRUS; S/N: 2577; Hobbs: 432.8; Total Time: 418.1; Engine - Type: IO-550N (27), S/N: 691164, Time: 418.1

-Complied with Cirrus 100hr inspection checklist.

-Cleaned engine and performed run up. Inspected for leaks and general overall condition.

-Drained oil and serviced with 8 quarts of Aeroshell 15W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowling and performed run up.

-Complied with fuel set-up (TCM SID 97-3E).

-Removed cleaned gapped spark plugs verified correct mag timing L&R.

-Performed compression check #1 66/80 #2 68/80 #3 66/80 #4 72/80 #5 62/80 #6 72/80. MO 42.

-Inspected Fuel nozzles for leaks.

-Inspected electrical wiring for chafing and security.

-Inspected Fluid carrying hoses.

-Removed gascolator cleaned, inspected and reinstalled.

-Replaced air filter P/N BA-24.

-Verified AD compliance through Bi-weekly issue 2011-12.

Last Overhaul			
Hrs.	Min.	Hrs.	Min.

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

-Performed post inspection operational check of aircraft systems - all working normal at this time.

I certify this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM Section 5-20 and is found to be airworthy at this time.

Paul Stern  A&P 3078823IA  
6582 Eureka Springs Rd. Tampa, FL 33610  
Tampa Executive Airport (KVDF) 813 626 1515



3/21/2012  
4701 NE 40<sup>th</sup> TERACE  
GAINESVILLE FL 32609

N: 682TR ENGINE  
MAKE: TCM  
MODE: IO-550-N  
S/N 2577  
AIRCRAFT TT: 437.8  
AIRCRAFT TC:

- 1) Compression @ 80 PSI 1)70 2)72 3)70 4)72 5)70 6)70
- 2) Inspected engine for a pre purchase bore scope cylinders and removed one set of lifters found engine good
- 3) Changed oil and filter serviced 8 quarts aeroshell W 100
- 4) Installed new induction air filter
- 5) Installed new set RHB 32E spark plugs

I certify the maintenance and/or alteration described above was accomplished in accordance with the requirements of 14 CFR 43, and with respect to the work performed is airworthy and approved for return to service.

R Scott Lambert AP 3300566



Premier Aviation, St. Augustine, FL (904) 677-8587

Cirrus SR-22

N682RM

S/N: 2577

Engine Model: TCM IO-550-N(46)

S/N: 691164


Hobbs: 506.1 hrs

Flight Hobbs: 491.5 hrs

Engine TTIS: 491.5 hrs

Date: July 1<sup>st</sup>, 2012

1. Completed an annual inspection in accordance with the scope and detail of 14 CFR part 43 Appendix D and Cirrus SR-22 Maintenance Manual Chapter 4-00. Also used AMM Sections 5-10, 5-20, and 5-30 as a guide.
2. Performed differential compression check: #1-68/80, #2-68/80, #3-60/80, #4-65/80, #5-61/80, #6-65/80.
3. Removed all spark plugs, cleaned, gapped and tested with no defects found. Rotated and re-installed using (12) new M-674 gaskets.
4. Drained engine oil, sample taken and sent to Aviation Laboratories. Removed filter, cut open and inspected with no defects found. Installed new filter P/N: AA48108-2 and replenished with 8 quarts of Aeroshell 100W aviation oil.
5. Removed all fuel injector nozzles, hydro sonic cleaned and reinstalled using (6) new washers P/N: X1473, (6) new washers P/N: 640612, and (6) new o-rings P/N: 630979-9.

...continued on next page.... 



Brought Forward →

6. Removed left magneto P/N: 10-500556-1, S/N: D07EA077 and right magneto P/N: 10-500556-1, S/N: D07EA080 and sent to Executive Accessories, Inc. for overhaul. See shop work orders 36187 and 36188 for description of work performed. Installed both overhauled magnetos in their original locations using new gaskets and lock washers. Timed both magnetos to engine at 22 degrees BTC.
7. Removed and replaced all (6) fuel drain seals with new P/N: 633958-2.
8. Tightened all inner cylinder baffle attach bolts.
9. Removed and replaced induction duct flapper bolt with new P/N: AN3-34.
10. No engine AD's due at this time. See AD Compliance Report dated 7/1/2012 for additional details.
11. Engine washed and ground run-up performed with no defects found.
12. All work performed in accordance with applicable maintenance manuals, AC43.13-1B and instructions for continued airworthiness.

*I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.*

Matthew R. Sandefur  
A&P 28422571A



**LEADING EDGE**

AVIATION SERVICES, INC.

Tampa, FL



AUTHORIZED SERVICE CENTER

Date: 8/09/2012; Aircraft: N682RM; Type: CIRRUS; S/N: 2577; Hobbs: 525.3; Tach: 510.6; Engine - Type: IO-550N (27), S/N: 691164, Time: 510.6

- Removed and replaced oil filter PN CH48108-1, cut open oil filter for inspection, no defects noted.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Paul Stern



A&P 3078823

6582 Eureka Springs Rd. Tampa, FL 33610

Tampa Executive Airport (KVDF) 813 626 1515

Brought Forward		Hrs.	Min.	Hrs.	Min.	Installation, Inspection, Modifications and Service Bulletins

ENGINE MAKE: TCM  
ENGINE MODEL: IO-550N46  
ENGINE S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 656



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield, MO 63005  
Tel.636-681-5600

DATE: 10.12.2012  
A/C TSN: 538.3  
ENGINE TT: 538.3  
HOBBS: 556.9  
Flight Hobbs: 538.3

**Completed the Following Maintenance**

- > Installed Tanis engine heater kit; P/N TAS100-12-771-TI-DT, S/N 46535 IAW Tanis Instruction TN01038.
- > Installed 12 ea. new spark plugs, P/N URHB32S and torqued IAW TCM IO550N M/M M-16.

*"I certify that this Engine has been Inspected or repaired in accordance with current FAA Regulations, and is Approved for Return to Service with respect to the work performed"*  
Pertinent details on file at this repair station under above noted work order.

Signed:

John Merriman, Alternate Inspector for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

Page 1 of 1

Date: 10/12/2012 Engine Log Book Entry Engine Time: 538.3  
Installed P/N: TAS100-12-771-TI-DT preheat system S/N: 46535  
in accordance with Tanis instructions TN01038 Rev. A  
Installer Name: WEST STAR AVIATION Cert. #: PAZR068H  
TLB0001 REV A

MAKE: Cirrus  
MODEL: SR22  
S/N: 2577  
REG. NO: N682RM  
WORK ORDER: 712



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield, MO 63005  
Tel.636-681-5600

DATE: 11.16.2012  
A/C TSN: 545.5  
HOBBS: 569.9  
Flight Hobbs: 545.5

**Completed the Following Maintenance**

- > Replaced Tanis engine heater red indicator light p/n TL01026-06, IAW Tanis indicator light installation instruction TN01026 REV A.

*"I certify that this Airframe has been Inspected or repaired in accordance with current FAA Regulations, and is Approved for Return to Service with respect to the work performed"*  
Pertinent details on file at this repair station under above noted work order.

Signed:

Joe Parson, Inspector for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

Page 1 of 1

ENGINE MAKE; Continental  
ENGINE MODEL; IO 550-N  
ENGINE S/N: 691164  
REG. NO: N628RM  
WORK ORDER: 321485



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel. 636-681-5600

DATE: 5-31-2013  
A/C TSN: 599.8  
ENGINE TT: 599.8  
Flt Meter: 569.8

Changed oil and filter serviced with new CH48108-1 filter and 8 quarts. Phillips 20W50 XC oil. Soap sample taken at this time. Work IAW Cirrus SR22 series M.M. Chapter 12-10. Ground ran aircraft. No leaks noted at this time.

**"I certify that this Engine has been inspected in accordance with current FAA Regulations, and is  
Approved for Return to Service with respect to the work performed "**  
Pertinent details on file at this repair station under above noted work order.

Signed:  Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H &  
EASA.145.5079

Page 1 of 1

ENGINE MAKE; Continental  
ENGINE MODEL; IO 550-N-46  
ENGINE S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 321636

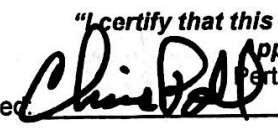


www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel. 636-681-5600

DATE: 7-19-2013  
A/C TSN: 628.0  
ENGINE TT: 592.5  
Flt Meter: 628.0

Performed Annual Inspection IAW Cirrus SR-22 MM P/N 13773-001 reissue B3 dated May 1, 2012. Drained oil, removed filter and took SOAP sample. Serviced engine with 7 quarts Aeroshell 100W and one pint of Camguard, installed new Champion CH48108-1 oil filter and safetied. Removed, cleaned and tested spark plugs. Replaced #5 cylinder bottom spark plug, P/N URHB32S IAW TCM IO-550N MM M-16. Timed left and right magnetos to 22 degrees IAW TCM IO-550N MM M-16. Performed engine cylinders compression check: (1) 73/80; (2) 72/80; (3) 73/80; (4) 68/80; (5) 75/80; (6) 76/80. Replaced engine induction air filter, P/N BA24. Replaced #2 and #4 cylinders intake tube flange gaskets, P/N 649950 IAW TCM IO-550N MM M-16. Replaced right cylinders fuel drain line, P/N 13913-002 IAW Cirrus SR22 AMM 71-70. Replaced #3 cylinder exhaust riser, P/N 15069-001 IAW TCM IO-550N MM M-16. Removed, cleaned, installed and torqued fuel injectors IAW TCM IO-550N MM M-16. Ground run aircraft ops and leaked checked good at this time.

**"I certify that this Engine has been inspected in accordance with current FAA Regulations, and is  
Approved for Return to Service with respect to the work performed "**  
Pertinent details on file at this repair station under above noted work order.

Signed:  Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H &  
EASA.145.5079

Page 1 of 1

# Maintenance Record

ENG MAKE: Continental  
ENG MODEL: IO-550N46  
ENG S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 322313



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel.636-681-5600

DATE: 12-05-2013  
Hobbs: 701.9  
FLT HOBBS: 650.0

Removed #1, #5 cylinder lower plugs and #6 upper and lower spark plugs cleaned gapped and tested. Checked OHMS resistance IAW Tempest plug maintenance guide. (500 – 5000 OHMS acceptable) following results: #1 lower -978 OHMS, #5-lower- 875 OHMS, #6-upper- 974 OHMS, #6 lower-776 OHMS. Tested leads no defects noted. Removed and cleaned #6 fuel injector nozzle IAW Continental fuel injector nozzle publication FI-2. Reinstalled plugs, and fuel injector IAW Cirrus SR22 M.M 74-20-00. Ground run ops and leak checked satisfactory. Magneto checks 1700RPM, LH 60 rpm, RH 40rpm drop. 2000 rpm magneto checks LH 100, RH 90 rpm drop.

"I certify that this Engine has been inspected or repaired in accordance with Current FAA Regulations, and is approved for Return to Service with respect to work preformed)

Signed:

Pertinent details on file at this repair station under above noted work order.

Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H &



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel.636-681-5600

DATE: 12-19-2013  
Hobbs: 703.2  
Flt Hobbs: 650.0

ENG MAKE: Continental  
ENG MODEL: IO-550 N (46)  
ENG S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 322337

Checked #6 cylinder compression. Compression was 64/80. Master orifice reading was 47/80. There was no notable leakage past the exhaust valve. Ring blow by appeared to be the main source of leakage during the compression check. Performed bore scope on #6 cylinder. Bore scope of #6 cylinder did not reveal any abnormalities. Exhaust valve looked normal. No blueing around edge of valve noted. Exhaust valve seat looked normal only minor pitting was observed. Cylinder cross hatching was intact at top of cylinder bore. Cylinder bore did not have any deep groves or scaring. Intake valve looked normal. Work done per Continental SB 03-3.

Flow checked and cleaned fuel injectors nozzles reinstalled and torqued fuel injectors IAW TCM IO-550N MM M-16.

Removed fuel divider assy, (p/n 646433-9A4 s/n C07DA015) to be sent out for repair/overhaul. Installed fuel divider assy (p/n 646433-9A4 s/n C07DA015) after Overhaul by G&N aircraft Inc. Repair station MW2R020L. Work performed IAW Continental Permold series Maintenance and Overhaul Manual M16. Performed ground engine run with satisfactory results.

"I certify that this Engine Has been inspected or repaired in accordance with Current FAA Regulations, and is approved for Return to Service with respect to work preformed)

Signed:

Pertinent details on file at this repair station under above noted work order.

Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

Page 1 of 1

## Engine log

Date: 10/09/2013; Aircraft: N682RM; Type: SR22; S/N: 2577; Hobbs: 676.80; Total Time:; Engine - Type: , S/N: Time:

Shop Order #: SH-13-0431

Discrepancy: 300

OWNER REQUEST THAT ENGINE BE LEAK CHECKED.

Corrective Action: 300

LEAK CHECKED ENGINE AND ENGINE COMPARTMENT; NO LEAKS NOTED AT THIS TIME.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed:

Dated: 10/9/13

Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Brought Forward →

ENG MAKE: Continental  
ENG MODEL: IO550NB  
ENG S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 323136



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel.636-681-5600

DATE: 5-23-2014  
Hobbs: 747.1  
ETT: 747.1  
FLT Hobbs: 682.3

Ran engine drained oil, took sample and installed new filter CH48108-1 and serviced with 8qts Phillips 20 W50 XC ground run ops and leak checked good at this time all work IAW Cirrus SR22 AMM 12-10

"I certify that this Engine has been inspected or repaired in accordance with Current FAA Regulations, and is approved for Return to Service with respect to work preformed. Pertinent details on file at this repair station under above noted work order.

Signed: Chris Poll

Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

Page 1 of 1

ENG MAKE: Continental  
ENG MODEL: IO-550-N  
ENG S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 323344



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel.636-681-5600

DATE: 7-10-2014  
Hobbs: 791.4  
Flt Hobbs: 719.6

Completed Annual Inspection IAW SR22 AMM 13773-001 Reissue B May 31, 2011 Chapters 5-20 & 5-3

Performed Compression check IAW TCM SB03-3 found all cylinders within limits #1 73/80, #2 68/80, #3 68/80, #4 68/80 #5 71/80, #6 69/80 Master Orifice 50/80.

Drained oil, took sample. Installed new CH48108-1 filter (Cut open old filter no metal found) Serviced with 8 qts. Phillips 20 W 50 X/C IAW SR22 AMM 12-10

Complied with A.D. 2014-05-29 Verified No Superior AirParts cylinders installed no further action required.

Ground run ops and leak checked satisfactory

"I certify that this Engine has been inspected or repaired in accordance with Current FAA Regulations, and is approved for Return to Service with respect to work preformed. Pertinent details on file at this repair station under above noted work order.

Signed: Chris Poll

Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

Page 1 of 1

ENG MAKE: Continental  
ENG MODEL: IO-550N  
ENG S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 323961



www.weststaraviation.com  
532 Beechcraft Ave  
Chesterfield MO, 63005  
Tel.636-681-5600

DATE: 10-08-2014  
Hobbs: 846.6  
FLT HOBBS: 762.8

Drained oil, took sample Installed CH48108-1 filter serviced with 8qts. Phillips 20W50 XC IAW SR22 AMM 12-10

Ground run ops and leak checked satisfactory

"I certify that this Engine has been inspected or repaired in accordance with Current FAA Regulations, and is approved for Return to Service with respect to work preformed. Pertinent details on file at this repair station under above noted work order.

Signed: Chris Poll

Chris Poll, Service Manager for West Star Aviation, Inc. for CRS PAZR068H & EASA.145.5079

Page 1 of 1



ENGINE MODEL:  
ENGINE S/N:  
REG. NO: 682RM  
WORK ORDER: 5052



### Ideal Aviation

2100 Vector Dr.  
Cahokia, IL 62206  
Phone: 618-337-3400

DATE: 4/8/2015  
A/C TSN:  
ENG TT:  
TSMOH:  
FLIGHTTIME: 814

#### Engine Entries

(2) Drained oil. Replaced filter with new CH48108-1. Opened and inspected used filter element. No contamination noted. Serviced engine with 8 quarts Phillips 20w-50 x/c oil. Ground run/leak check satisfactory.

Technicians Who Worked On The Items Listed Above:  
Kyle Mitchell Householder, Paul Douglas Keck

#### Maintenance Release

The aircraft and/or component(s) on 682RM was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 5052, Dated 4/8/2015.

DATE: 4/8/2015

SIGNED:

Paul Douglas Keck, A&P: 3336853

Work Order: 5052

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ENGINE MODEL: IO-550-N  
(46)  
ENGINE S/N: 691164  
REG. NO: N682RM  
WORK ORDER: 5173



### Ideal Aviation

2100 Vector Dr.  
Cahokia, IL 62206  
Phone: 618-337-5845

DATE: 8/14/2015  
A/C TSN: 841.4  
ENG TT: 841.4  
TSMOH:  
FLIGHTTIME: 841.4

#### Engine Entries

- (2) Completed compression check, 1) 73, 2) 67, 3) 63, 4) 72, 5) 69, 6) 72/80.  
(3) Drained sump & filled with 8 quarts Phillips 20W50 XC oil, removed, opened & inspected old oil filter, no debris noted, installed new Champion CH 48108-1 oil filter. Ground run-up & leak check ok.  
(4) Cleaned, gapped, resistance & pressure checked all spark plugs & reinstalled.  
(8) Found mag to engine timing too far advanced, timed both mags @ 22 degrees btde, #1 cyl.  
(11) Cleaned, flow checked & installed fuel nozzles.  
(14) Removed and replaced engine induction air filter with new filter, P/N BA-24.  
(15) Retorqued all rocker cover screws.

#### Maintenance Release

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 5173, Dated 8/14/2015.

DATE: 8/14/2015

SIGNED:

Ray Manipole, IA: 3395161

Work Order: 5173

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ENGINE MODEL:  
IO550N46  
ENGINE S/N: 691164  
REG. NO: N682RM  
WORK ORDER:  
2910-12-2015



### Classic Aviation, Inc.

501 W 15th St  
Pella, IA 50219  
Phone: 641-628-9393

DATE: 1/20/2016  
A/C TSN: 844.7  
ENG TT: 844.7  
HOBBS: 844.7

#### Engine Entries

- (1) Performed prepurchase inspection as requested by buyer. Removed top sparkplugs. Performed compression check #1 72/80 #2 63/80 #3 71/80 #4 69/80 #5 65/80 #6 72/80. Performed borescope inspection of all cylinders, all normal at this time. Reinstalled top sparkplugs with new gaskets P/N- M-674.... (2) Removed oil filter to check for contaminants with none found. Installed new oil filter P/N- CH48108-1. Ran engine to check for leaks, with no leaks noted at this time.... (5) Removed main battery. Removed Iskra starter. Installed new Tempest starter P/N- PL13484 S/N- 1502408. Reinstalled battery. Performed operational check and found to operate properly.

DATE: 1/20/2016

SIGNED:

Wm. Haven Hick, IA: 3428785

Work Order: 2910-12-2015

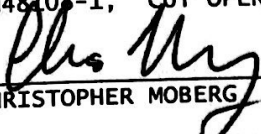
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Brought Forward →


NexAir Avionics LLC 265 FRUIT STREET MANSFIELD, MA 02048 N4OR087B  
LOG ID# 345 26-February-2016 WO# 3097 HOBBS 966.2  
N682RM S/N 2577 CIRRUS SR22 TACH 876.9

DRAINED OIL TOOK SAMPLE AND REPLACED WITH 7 QTS PHILLIPS 20W-50 X/C, REMOVED AND REPLACED OIL FILTER CH48108-1, CUT OPEN FILTER NO DEFECTS NOTED. ENGINE RUN AND LEAK CHECK, NORMAL.

  
CHRISTOPHER MOBERG  
2/26/2016  
Date

NEXAIR AVIONICS LLC 246 SOUTHMEADOW ROAD PLYMOUTH, MA 02360 N4OR087B  
LOG ID# 455 28-June-2016 WO# 3350 HOBBS 1039.9  
N682RM S/N 2577 CIRRUS SR22 TACH 947.0

DRAINED OIL, TOOK SAMPLE AND REPLACED WITH 7 QTS OF PHILLIPS X/C 20W-50. REMOVED AND REPLACED OIL FILTER WITH NEW (P/N: CH48108-1). CUT OPEN OIL FILTER NO DEFECTS NOTED. ENGINE RUN AND LEAK CHECK, NORMAL.

  
N4OR087B CHRISTOPHER MOBERG  
6/28/2016  
Date



Mansfield Airport(1B9)  
265 Fruit St  
Mansfield, MA 02048  
CRS# N4OR087B

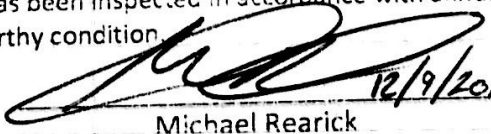
N682RM  
DEC 09,2016  
Total Time: 1012.6  
Hobbs: 1012.6  
WO# 3564  
Engine

Completed annual inspection IAW Cirrus SR22 & TCM IO-550 MM & MM Checklist. Performed differential compression test with the following results: 1: 76/80, 2: 66/80, 3: 72/80, 4: 68/80, 5: 70/80 and 6: 74/80. Cleaned and lubricated all controls. Drained oil and replaced with 7 Qts Philips X/C 20W-50, ½ pint Cam Guard and new oil filter P/N CH48108-1. Removed and replaced induction air filter with new P/N BA24. Replaced broke EGT probe on cylinder #1 and cylinder #4 with new probes P/N 16579-002. Induction Duct Flapper Bolt replaced IAW Cirrus SB2X-05-02, next due 1512.6 hours or 01/2019, whichever occurs first. Removed starter adapter assembly, sent to G&N Aircraft for overhaul and reinstalled. Removed air conditioning drive assembly and replaced with new assembly P/N 1133180-4. Removed magnetos, sent to Maxwell's Magnetos for IRAN and reinstalled. Updated the airworthiness directives through Bi-weekly issue 2016-24.

Engine run and leak check normal.

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

Authorized Signature

  
12/9/2016  
Michael Rearick

Brought Forward →

NexAir Avionics LLC 265 FRUIT STREET MANSFIELD, MA 02048 N4OR087B  
LOG ID# 874 24-August-2017 WO# 3951 AC TT 1178.4 HOBBS 1178.4  
N682RM S/N 2577 CIRRUS SR22 TACH 1085.5

Pg 1 / 1

Drained oil, took oil sample and replaced with 7 Qts (Phillips 20W-50), 1 pint Camguard and filter (PN CH8108-1).

Note: Work Order 3951 on file.

The above work was completed in accordance with the current regulations of the federal aviation administration and is approved for return to service for the work accomplished.

N4OR087B DAVID MCKINNON

Date

8/24/17

NEXAIR  
AVIONICS

Plymouth Airport (KPYM)  
246 South Meadow Rd  
Plymouth, MA 02360  
CRS# N4OR087B

N682RM  
MARCH 23, 2018  
Total Time: 1139.7  
Hobbs: 1233.5  
WO# 4177  
Engine

Completed annual inspection IAW Cirrus SR22 & TCM IO-550 MM & MM Checklist. Performed differential compression test with the following results: 1: 66/80, 2: 48/80, 3: 58/80, 4: 56/80, 5: 62/80 and 6: 58/80 MO: 40. Cleaned and lubricated all controls. Updated the airworthiness directives through Bi-weekly issue 2018-16. Drained oil and replaced with 7 Qts (Phillips 20W-50), 1 pint CamGuard and filter (PN CH48108-1). Removed, cleaned, inspected and reinstalled fuel injectors using new o-rings P/N 630979-9, washer P/N 640612 and gasket P/N X1473. Removed induction air filter and installed new P/N BA24. Removed, inspected and reinstalled magnetic drain plug with new gasket P/N MS35769-11. Removed, cleaned, inspected, rotated and reinstalled spark plugs with new gaskets P/N M674. Replace gasket P/N 649954 on left magneto and timed magnetos to engine. Engine run and leak check normal.

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

Authorized Signature

Michael Rearick CRS# N4OR087B

NexAir Avionics LLC 246 S Meadow Rd Gate 6 Hangar S/W-1 Plymouth, MA 02360 N4OR087B  
LOG ID# 1458 ~~20-February-2018~~ WO# 5416 AC TT 1268.5 HOBBS 1268.5  
N682RM S/N 2577 CIRRUS SR22  
Flight Time 1175.6 30 OCT 2018 W7

Pg 1 / 1

DRAINED OIL TOOK SAMPLE AND REPLACED WITH 7 QTS PHILLIPS 20W-50 X/C, 1 PT CAMGUARD, REMOVED AND REPLACED OIL FILTER CH48108-1, CUT OPEN FILTER NO DEFECTS NOTED. ENGINE RUN AND LEAK CHECK, NORMAL.

NOTE: WORK ORDER 5416 ON FILE

THE ABOVE WORK WAS COMPLETED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK ACCOMPLISHED.

N4OR087B COLLIN MORIARTY

