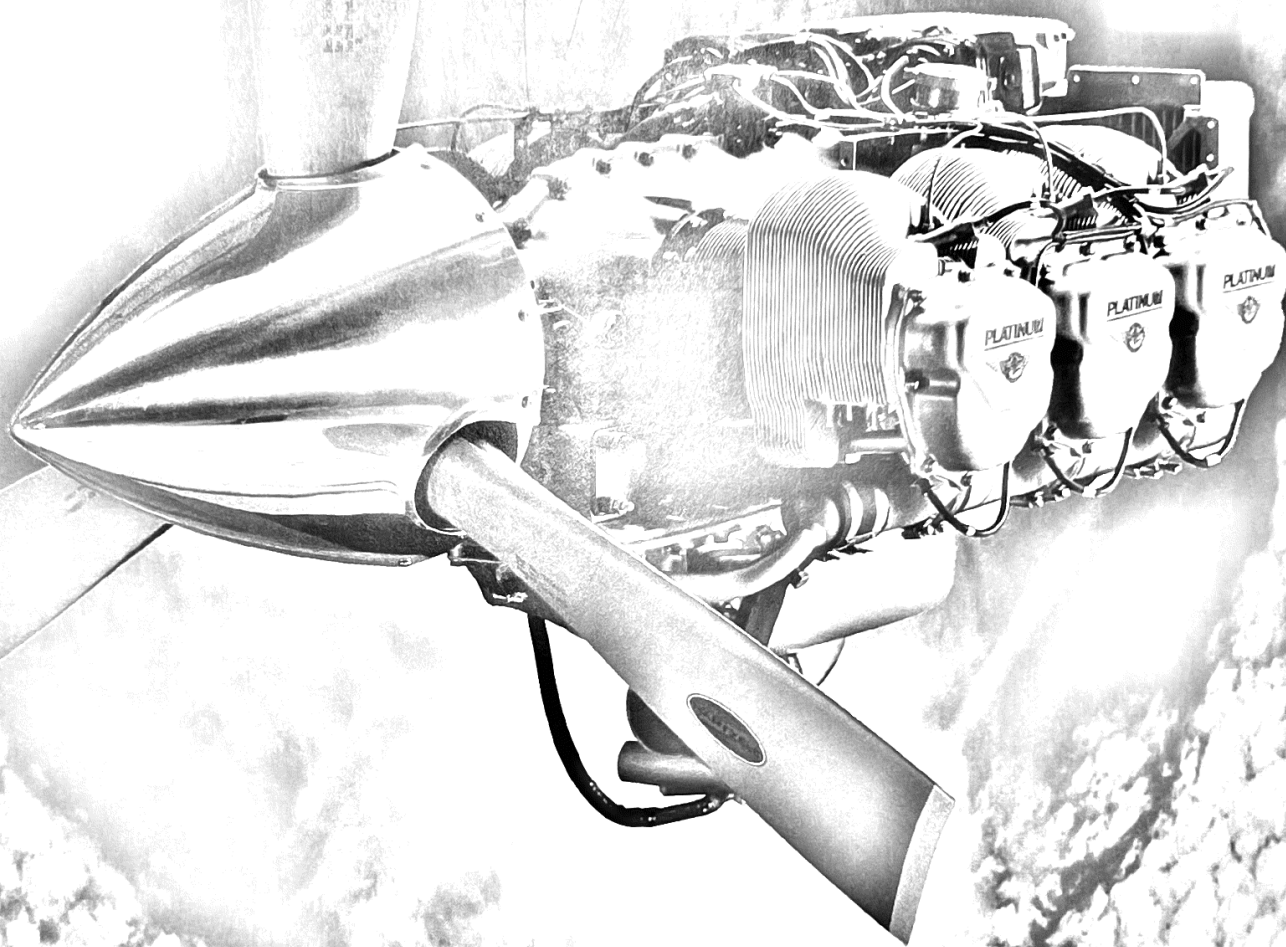


***PLATINUM***



**CONTINENTAL MOTORS**

# PLATINUM ENGINE LOG BOOK



**CONTINENTAL MOTORS**

# PLATINUM ENGINE LOG BOOK



## CONTINENTAL MOTORS

### Service Information

You can now subscribe to TCMLINK® Aviator Services through our web site at [www.tcmlink.com](http://www.tcmlink.com). This free program provides Service Bulletins and Technical information. Service Bulletins and Technical Publications are also available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 888-826-5465, publications department, for information.

### Engine Returns

All engines returned for core credit are to be shipped with this log book directly to:

Teledyne Continental Motors  
2039 Broad Street  
Mobile Alabama 36615

All engines returned for overhaul are to be shipped with this log book directly to:

Teledyne Mattituck Services  
410 Airway Drive  
Mattituck NY 11952

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



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

Platinum engine model \_\_\_\_\_  
manufactured on \_\_\_\_\_

Printed: 10/21/2007

This engine model 10550N50, Serial No. 691425 was manufactured on 10/17/2007 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 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.

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

**Engine Return Department  
2039 Broad Street  
Mobile, AL 36615**

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

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184  
 Manufacturer Continental Total Time 98.3  
 Model Number IO-550-N (50) W/O Number 10783  
 Serial Number 691425

Date 10/17/2008  
 W/O Number 10783

This engine was disassembled and inspected due to a lightning strike in accordance with Continental Service Bulletin M88-9. Inspected the magnetos. No work was done to and no inspection was made of any other accessory. See following list of parts installed. Assembled engine in accordance with Continental Manual X30568A. Engine was run on a test stand.

The fuel injection system MUST be adjusted in accordance with the latest engine and airframe manufacturers instructions when this engine is installed in the aircraft.

#### Airworthiness Directives

Engine AD Note	Amend #	Dated	R	Subject	Compliance
97-26-17	39-10260	01/23/1998	Y	Crankshaft inspection	The VAR crankshaft was ultrasound inspected in accordance with MSB96-10A by personnel with current TCM training

Re-inspection is required every time the crankshaft is removed from the engine.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 10783

Date: 10/17/2008 Signed James J. ZJR Inspector for Premier Aircraft RS JZYR537L

#### Premier Aircraft

1000 NW Perimeter Way, Troutdale, OR 97060-9524  
 Phone: (503) 661-4184 Fax: (503) 667-4052 Repair Station: JZYR537L

#### List of Parts Installed for Work Order No.: 10783

Qty	Part Number	Description	Qty	Part Number	Description
2.0	10-357520	Gasket	1.0	646550A1	Gasket Set
2.0	10-357532	Gasket	1.0	646592A2	Main Bearing Set
2.0	10-357533	Gasket	1.0	646985	Intake Seal
4.0	350998	Crankshaft Bushing	4.0	649205	Bolt
4.0	350998P0015	Crankshaft Bushing	6.0	649950	Gasket
24.0	501868	Lock Tab	12.0	654490	Rod Nut
16.0	629104	Snap Ring	4.0	654587-.44	Bolt
12.0	630286	O Ring	12.0	655705	Gasket
4.0	630979-9	O Ring	12.0	655958	Rod Bolt
6.0	633958-2	Seal	6.0	656990	Crankshaft Bolt
16.0	639193	Counterweight Bushing	2.0	AS3578-016	O Ring
1.0	641250	Crankshaft Seal	1.0	CH48108-1	Oil Filter
2.0	641909	Lock Plate	12.0	M674	Spark Plug Washer
12.0	642398	Rod Bearing	24.0	MS20500-428	Nut
2.0	643626-103	Counterweight Pin	1.0	MS9970-116	O Ring
2.0	643626-104	Counterweight Pin	1.0	MS9970-117	O Ring
4.0	643626-105	Counterweight Pin	2.0	NAS1805-4	Lock Nut
16.0	643629	Counterweight Plate	1.0	SA630916	Gasket

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	

ENGINE MODEL  
 ENGINE SN  
 REG. NO. 80568  
 WORK ORDER 3778

Troutdale Aircraft Services, Inc.  
 Repair Station No. T82R725Y  
 1250 NW Perimeter Way  
 Troutdale, OR 97060  
 Phone 503-666-3838

DATE: 10/31/2008 5,  
 AC TCM  
 ENG TT  
 HOBBS 98.3

Brought Forward

#### Engine Entries

TCM - Fuel injected engine 100 hour inspection per TCM 25, 50 and 100 hour inspection guides, TCM instructions for continued airworthiness, Service Bulletins and Service Information Directives

TCM - CAV MSB 94-8C Magneto to engine timing. Date of revision 4-27-07

TCM - CAV SB 03-3 Differential Pressure test and bore scope inspection procedures for cylinders. Due at 100 hour interval, annual inspection or when cylinder problems are suspected

TCM - CAV SB 643B Maintenance intervals for TCM and Bendix Magnetos. Due each 100 hours annual inspection or progressive maintenance. Check timing at 100 hour intervals or annually whichever comes first. Perform functional check of ignition switch. Perform cleaning and inspection of ignition harness leads.

DUE EACH 500 hours perform inspection of impulse coupling on mag equipped with snap ring couplings. DUE each 100 hours perform inspection of impulse couplings on mag equipped with riveted type couplings. Due each 500 hours or 4 years whichever comes first perform overhaul of magneto.

TCM - CAV SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.

TCM - CAV SID 97-3E dated 06-17-08 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 10/31/2008 SIGNED Scott Kenney Work Order: 3778  
 Scott Kenney  
 Certified Repair Station No. T82R725Y Printed by EBis 3 (datamedia.com)

ENGINE MODEL IO-550-N  
 ENGINE SN 691425  
 REG. NO. 80568  
 WORK ORDER 3892

Troutdale Aircraft Services, Inc.  
 Repair Station No. T82R725Y  
 1250 NW Perimeter Way  
 Troutdale, OR 97060  
 Phone 503-666-3838

DATE: 11/10/2008  
 AC TCM 102.8  
 ENG TT 7.5  
 HOBBS 108.9

#### Engine Entries

100 hour - Engine - I certify that this engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using. The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard:

TCM - CAV MSB 94-8C Magneto to engine timing. Date of revision 4-27-07

TCM - CAV SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.

TCM - CAV SB 643 B Maintenance intervals for TCM and Bendix Magnetos.

TCM - CAV SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.

TCM - CAV SB96-12 Continued Airworthiness Instructions for TCM Cylinders.

TCM - CAV SID 97-3E dated 6-17-08 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.

TCM - CAV SID 97-2B Top case compliance information. Required annually to comply with TCM top case cylinder warranty. Cylinder Differential compression check and trend monitoring - Cylinder borescope inspection - Oil consumption trend monitoring - Oil Analysis trend monitoring - Baffle condition inspection - Induction system examination - Cowling inspection and cowling operational check - Ignition system inspection - Fuel system setup - Verification of accuracy of engine gauges - Flight test

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 11/10/2008 SIGNED Scott Kenney Work Order: 3892  
 Scott Kenney  
 Certified Repair Station No. T82R725Y Printed by EBis 3 (datamedia.com)

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 →					
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL: IO-550-N ENGINE S/N: REC-10-100187 WORK ORDER: 18678</p> <p><b>Million Air - Salt Lake City</b> Repair Station No: K5SR333N 303 N 2370 W Salt Lake City, Utah 84116 Phone: 801-358-2085</p> </div> <div> <p>DATE: 3/25/2009 A/C: 72W-112 S ENG: T1-112 S EACH: 112 S</p> </div> </div>					
<p><b>Engine Entries</b></p> <p>ENGINE OIL DRAINED HOT. REMOVED OIL FILTER AND INSPECTED FOR CONTAMINATES. NONE FOUND. INSTALLED NEW OIL FILTER PIN CH48108-1 AND SAFETIED. SERVICED ENGINE WITH 8 QTS. OF EXXON ELITE 20W50 OIL. 6/4/11</p> <p>AIRCRAFT: LEAK CHECK SATISFACTORY.</p> <p>The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air SLC Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Further details of the repair are on file under Repair order.</p> <div style="display: flex; justify-content: space-between;"> <div>DATE: 3/25/2009</div> <div>SIGNED: <i>Jimmy Flay</i></div> <div>Work Order: 18678</div> </div> <div style="display: flex; justify-content: space-between;"> <div>FIR Certified Repair Station No: K5SR333N</div> <div>Printed by EBs 3 (datacomedia.com)</div> </div>					
1 of 1					

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 →					
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background: linear-gradient(to top right, transparent 49%, #ccc 49% 51%, #ccc 51% 53%, transparent 53%); background-size: 200% 200%;"></div> </div>					

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					

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-3524 503-661-4184

Manufacturer Continental  
Model Number IO-550-N (50)  
Serial Number 631425

Total Time 98.3

Date 10/17/2008  
WO Number 10783

This engine was disassembled and inspected due to a lightning strike in accordance with Continental Service Bulletin M88-9. Inspected the magnetos. No work was done to and no inspection was made of any other accessory. See following list of parts installed. Assembled engine in accordance with Continental Manual X30568A. Engine was run on a test stand.

The fuel injection system MUST be adjusted in accordance with the latest engine and airframe manufacturers instructions when this engine is installed in the aircraft.

#### Airworthiness Directives

Engine	AD Note	Amend #	Dated	R	Subject	Compliance
97-26-17	39-10260	01/23/1998	Y	Crankshaft inspection	The VAR crankshaft was ultrasound inspected in accordance with MSB96-10A by personnel with current TCM training <u>Re-inspection is required every time the crankshaft is removed from the engine.</u>	

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 10783.

Date: 10/17/2008 Signed *[Signature]* Inspector for Premier Aircraft RS JZYR537L

#### List of Parts Installed for Work Order No.: 10783

Qty	Part Number	Description	Qty	Part Number	Description
2.0	10-357520	Gasket	1.0	646550A1	Gasket Set
2.0	10-357532	Gasket	1.0	646592A2	Main Bearing Set
2.0	10-357533	Gasket	1.0	646985	Intake Seal
4.0	350998	Crankshaft Bushing	4.0	649205	Bolt
4.0	350998P0015	Crankshaft Bushing	6.0	649950	Gasket
24.0	501868	Lock Tab	12.0	654490	Rod Nut
16.0	629104	Snap Ring	4.0	654587-44	Bolt
12.0	630286	O Ring	12.0	655705	Gasket
4.0	630979-9	O Ring	12.0	655958	Rod Bolt
6.0	633958-2	Seal	6.0	656990	Crankshaft Bolt
16.0	639193	Counterweight Bushing	2.0	AS3578-016	O Ring
1.0	641250	Crankshaft Seal	1.0	CH48108-1	Oil Filter
2.0	641909	Lock Plate	12.0	M674	Spark Plug Washer
12.0	642398	Rod Bearing	24.0	MS20500-428	Nut
2.0	643626-103	Counterweight Pin	1.0	MS9970-116	O Ring
2.0	643626-104	Counterweight Pin	1.0	MS9970-117	O Ring
4.0	643626-105	Counterweight Pin	2.0	NAS1805-4	Lock Nut
16.0	643629	Counterweight Plate	1.0	SA630916	Gasket

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					

10/22/09  
Habbs 256.4  
Drained oil, took sample, changed oil, inserted oil filter, found OK, serviced engine with 8 qts of Exxon Elite 90W50 oil, run up on test stand check OK.  
Bullhead #1529257

ENGINE MODEL IO-550-N  
ENGINE SN 631425  
REG NO 8568  
WORK ORDER 4362

Troutdale Aircraft Services, Inc.  
Repair Station No. T32R/257  
1500 NW Perimeter Way  
Troutdale, OR 97060 USA  
Phone: 503-666-3538

DATE: 10/20/10  
AC TSN: 254  
ENG T7: 254  
HOBBS: 254

#### Engine Entries

- 100 hour - Engine - I certify that this engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using. The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 800psi as standard.
- TCM - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.
- TCM - C/W SB 5903-3 Differential Pressure test and bore scope inspection procedures for cylinders.
- TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetos.
- TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.
- TCM - C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.
- TCM - C/W SID 97-3C dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.
- TCM - C/W SID 97-2B Top care compliance information. Required annually to comply with TCM top care cylinder warranty. Cylinder Differential compression check and trend monitoring. Cylinder bore scope inspection. Oil consumption trend monitoring. Oil Analysis trend monitoring. Buffer condition inspection. Induction system examination. Cooling inspection and cow flap operational check. Ignition system inspection. Fuel system setup. Verification of accuracy of engine gauges. Flight test.
- TCM - C/W SB 08-3 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation.
- R&I starter adapter. Replaced with new unit. Lifted engine from mounts and reinstalled with new lock tabs.

I certify that this Aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Jernigan

DATE: 10/20/10

SIGNED *[Signature]*

Scott Kenney  
Certified Repair Station No. T32R/257

Work Order: 4362

Printed by EB3 (datamedia.com)

July 21, 2010  
HBRBS 326.2  
Drained oil, took sample, inspected and changed oil filter, and serviced engine with 8 qts of Exxon Elite 90W50 oil, run up for leak check found OK. Bullhead #1529257



N859SR

Cirrus SR22

S/N 2835

Flight meter, 362.8

1/24/11 100 Hour Inspection completed. Changed oil and inspected and replaced oil filter (no metal noted). Checked engine compression (#1-78, #2-75, #3-76, #4-75, #5-77, #6-77 / all over 80 p.s.i.). Engine serviced with 8 quarts of Exxon Elite. Magneto timing checked good. Cleaned, gapped and tested spark plugs. Replaced 1 damaged spark plug (Champion P/N RHB32S) and installed in the #2 lower position. Cleaned & reoiled induction air filter. Engine run-up checked good. "I certify this engine has been inspected in accordance with a 100 Hour Inspection and has been determined to be in airworthy condition". Engine time since new is 362.8 hours.

Brought

James J. Nuttall AP26946341A  
Aero Services, Inc.

133 Municipal Dr.

Nampa, ID 83867

W.O. # 7529

7/25/11 N859SR 14085-4434  
DRAWN OIL, INSPECTED  
AND CHANGED OIL FILTER, AND  
SERVICED ENGINE WITH 8QTS  
EXXON ELITE 20W50 OIL.  
RUN UP FOR LEAK CHECK  
FOUND OK.

Brentwood ATP 3292592

ENGINE MODEL IO-550-N  
ENGINE S/N 691425  
REG. NO. N859SR  
WORK ORDER  
8752-03-2012

Lone Mountain Aviation, Inc.

Repair Station No. L90R473Y  
2830 N. Rancho Dr. Suite A  
Las Vegas, NV 89130  
Phone: (702) 309-2200

DATE 3/30/2012  
AC TSN 447.8  
ENG TT 447.8  
TACH 447.8

## Engine Entries

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 qts Exxon Elite 20W50. Engine run and leak check good. Took oil sample. Completed Compression check #1- 6680 #2- 7980 #3- 7480 #4- 7280 #5- 6580 #6- 6680. Complied with TCM Top Cars Inspection Checklist.

The 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. Permanent details are on file at this facility under the above W.O. number.

DATE 3/30/2012

SIGNED  
Bill Danner  
Certified Repair Station No. L90R473Y

Work Order 6806-03-2012  
Printed by EBIS 3 (datcomedia.com)

N 859SR DATE 7/23/12 TACH. HOBBS 5359  
CHANGED OIL AND FILTER. FILTER CHECKED FOR METAL FOUND O.K., INSTALLED NEW  
FILTER # C458108-1. SERVICED ENGINE WITH 8 QTS OF ELITE 20W50 OIL.  
OIL SAMPLE TAKEN. YES. NO. X. RUNUP AND LEAK CHECKS O.K.

Brentwood ATP 3292592

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 Bulletin

Brought

ENGINE MODEL IO-550-N  
ENGINE S/N 691425  
REG. NO. N859SR  
WORK ORDER  
7532-03-2013

Lone Mountain Aviation, Inc.

Repair Station No. L90R473Y  
2830 N. Rancho Dr. Suite A  
Las Vegas, NV 89130  
Phone: (702) 309-2200

DATE 4/17/2013  
AC TSN 538  
ENG TT 538  
FLIGHTTIME 538

## Engine Entries

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 qts Exxon Elite 20W50. Engine run and leak check good.

Oil sample taken.  
Compression check #1- 7080 #2- 7480 #3- 7480 #4- 7480 #5- 7480 #6- 7080.  
Complied with Tornado Alley Inspection for Continued Airworthiness.  
Complied with TAT 5811-04 Turbo Oil supply inlet screen cleaning.  
Complied with TAT 508-01 Cessna/Breather Discharge Tube Cleaning.  
Removed #6 cylinder. Ph 65932E S/N AC07H0415 installed overhauled cylinder serial#81. Overhaul performed by Nevada Aircraft Engine, Las Vegas, NV W081149. All work done in accordance with TCM IO-550 Permoil Series OIV Manual P/N X02568A.  
Completed 500 magno inspection. Removed, disassembled, cleaned and inspected magnetos in accordance with TCM master service manual X4000.  
Reassembled and installed both left and right magnetos and set magno to engine timing.  
Complied with TAT 58-11-03 by installing Teflon heat shroud on turbo support rods.

The 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. Permanent details are on file at this facility under the above W.O. number.

DATE 4/17/2013

SIGNED

James J. Nuttall  
Certified Repair Station No. L90R473Y

Work Order 7532-03-2013

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL IO-550-N  
ENGINE S/N 691425  
REG. NO. N859SR  
WORK ORDER  
8120-04-2014

Lone Mountain Aviation, Inc.

Repair Station No. L90R473Y  
2830 N. Rancho Dr. Suite A  
Las Vegas, NV 89130  
Phone: (702) 309-2200

DATE 5/14/2014  
AC TSN 583.1  
ENG TT 583.1  
FLIGHTTIME 583.1

## Engine Entries

I certify this engine has been inspected IAW a 100 hour inspection and was found to be in an airworthy condition. Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 qts Exxon Elite 20W50. Engine run and leak check good. Oil sample taken.  
Compression check #1- 6680 #2- 6780 #3- 7090 #4- 6680 #5- 7180 #6- 7180.  
Complied with Tornado Alley Inspection for Continued Airworthiness.  
Complied with TAT 5811-04 IAW S8 instructions.  
Complied with TAT 508-01 Rex A Cessna/Breather Discharge Tube per SI directions.  
Removed and replaced Mag Line P/N 1396-2.

The 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. Permanent details are on file at this facility under the above W.O. number.

DATE 5/14/2014

SIGNED

James J. Nuttall  
Certified Repair Station No. L90R473Y

Work Order 8120-04-2014

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL IO-550-N  
ENGINE S/N 691425  
REG. NO. N859SR  
WORK ORDER  
8715-05-2015

Lone Mountain Aviation, Inc.

Repair Station No. L90R473Y  
2830 N. Rancho Dr. Suite A  
Las Vegas, NV 89130  
Phone: (702) 309-2200

DATE 6/1/2015  
AC TSN 624  
ENG TT 624  
FLIGHTTIME 624

## Engine Entries

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 qts Exxon Elite 20W50. Engine run and leak check good. Oil sample taken.  
Compression check #1- 7580 #2- 7480 #3- 7780 #4- 7080 #5- 7780 #6- 7780.  
Complied with Tornado Alley Inspection for Continued Airworthiness per checklist.

The 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. Permanent details are on file at this facility under the above W.O. number.

DATE 6/1/2015

SIGNED

Patrick Harrington  
Certified Repair Station No. L90R473Y

Work Order 8715-05-2015

Printed by EBIS 3 (datcomedia.com)



6/22/16 100 Hour Inspection completed. Changed oil and inspected and replaced oil filter (no metal noted). Checked engine compression (#1-69, #2-72, #3-68, #4-72, #5-68, #6-68 / all over 80 p.s.i.). Master orifice minimum acceptable limit as per TCM SB03-3 is 42/80 Engine serviced with 7 quarts of Exxon Elite 20W-50 Checked magneto timing, both magnetos were firing 3 1/2 degrees early, adjusted both magnetos to 22 degrees BTDC. Cleaned, gapped and tested spark plugs. Replaced all spark plugs (Tempest P/N URB32E) Removed, cleaned and reinstalled fuel injectors with new seals. Engine run-up checked good. "I certify this engine has been inspected in accordance with a 100 Hour Inspection and has been determined to be in airworthy condition". Engine time since new is 649 i hours.

Jeffrey A. Nuttall AP26946341A  
Aero Services, Inc. 133 Municipal Dr. Nampa, ID 83687 W.O. # 8953

N 859SR DATE 9/30/16 TACH 7694  
CHANGED OIL & FILTER, FILTER CHECKED FOR METAL, FOUND O.K.  
INSTALLED NEW FILTER #CH48108-1. SERVICED ENGINE  
WITH 8 QT(S) OF Exxon Elite 20W50 OIL.  
OIL SAMPLE TAKEN: YES X NO RUNUP AND LEAK CHECKS O.K.  
Bent Wood HP 3252592

N859SR Cirrus SR22 S/N 2835 Flight meter. 683.0

7/19/17 100 Hour Inspection completed. Changed oil and inspected and replaced oil filter (no metal noted). Checked engine compression (#1-74, #2-72, #3-70, #4-77, #5-71, #6-70 / all over 80 p.s.i.). Master orifice minimum acceptable limit as per TCM SB03-3 is 44/80 Replaced Cylinder #3 (due to crack from fuel nozzle down to spark plug boss) with new cylinder assembly P/N 658595A2, S/N 658595. Replaced piston pin (AEC630046). Engine serviced with 7 quarts of Phillips Type M mineral oil. Magneto timing checked good. Cleaned, gapped and tested spark plugs. Engine run-up checked good. "I certify this engine has been inspected in accordance with a 100 Hour Inspection and has been determined to be in airworthy condition". Engine time since new is 683.0 hours.

Jeffrey A. Nuttall AP26946341A  
Aero Services, Inc. 133 Municipal Dr. Nampa, ID 83687 W.O. # 9219

N859SR Cirrus SR22 S/N 2835 Flight meter. 696.0

8/8/2018 100 Hour Inspection completed. Changed oil and inspected and replaced oil filter (no metal noted). Checked engine compression (#1-72, #2-74, #3-76, #4-74, #5-74, #6-69 / all over 80 p.s.i.). Master orifice minimum acceptable limit as per TCM SB03-3 is 42/80 Engine serviced with 7 quarts of Phillips Type M 20W-50. Magneto timing checked good. Cleaned, gapped and tested spark plugs. Engine run-up checked good. "I certify this engine has been inspected in accordance with a 100 Hour Inspection and has been determined to be in airworthy condition". Engine time since new is 696.0 hours.

Jeffrey A. Nuttall AP26946341A  
Aero Services, Inc. 133 Municipal Dr. Nampa, ID 83687 W.O. # 9512

10/8/2014  
CHANGED OIL & FILTER; FILTER CHECKED FOR METAL, FOUND O.K.  
INSTALLED NEW FILTER #CH48108-1. SERVICED ENGINE  
WITH 8 QT(S) OF Exxon Elite 20W50 OIL.  
OIL SAMPLE TAKEN: YES X NO RUNUP AND LEAKS CHECKS O.K.  
Bent Wood HP 3252592

out of order - should be page 9

815 FLIGHT HOBBS

N859SR  
7-7-08

Brought

1. ADJUSTED MANIFOLD PRESSURE, FUEL FLOW AND RPM REF. TORNADO ALLEY TURBO MM PG 18. RAN ENGINE, POWER SETTINGS NOW AT 2670 RPM, 29.5" MANIFOLD AND 34.6 GPH, OPS NORMAL. OLD POWER SETTINGS WERE 2670 RPM, 30.7" MANIFOLD PRES. AND 37.7 GPH.

2. C/W S/L #A-131, TURBO DATA TAGS. AT THE TIME OF COMPLIANCE OF KELLY AEROSPACE POWER SYSTEMS SIL A-131, THIS ACFT WAS EQUIPPED WITH TORNADO ALLEY TURBONORMALIZING SYSTEM WHICH CONTAINED A P/N 466304-0003 TURBOCHARGER, S/N KHL00448, MOUNTED ON THE L/H SIDE OF THE ENGINE AND P/N 466304-0003 TURBOCHARGER, S/N KIL00453, MOUNTED ON THE R/H SIDE OF THE ENGINE. AT THE TIME OF COMPLIANCE BOTH DATA PLATES WERE NOT LOOSE.

WORK PERFORMED BY AUBURN FLIGHT SERVICE, AUTHORIZED CIRRUS SERVICE CENTER. REF. W/O #6847

JIM BARTLEY #136533 A&P

out of order

JACKSON  
JETCENTER  
180 CHARTERS MAINTENANCE  
3673 RICKENBACKER ST.  
BOISE, IDAHO 83705

Date: 3/18/2019

# Engine Logbook Insert

Make: Continental

Model: IJC-550-N

S/N: 691425

N859SR

ACTT 800 5 hrs.

Hobbs: 705 i hrs.

## Inspections complied with this visit:

- Completed 100hr/Annual inspection in reference to FAR 43, Appendix D, Cirrus SR22 MM, Chapter 5-20 Annual/100hr inspection check list and Continental EMM
- Completed compression check, results are as #1) 74/80, #2) 70/80, #3) 72/80, #4) 72/80, #5) 72/80, #6) 70/80. (base line 448)

- Removed oil filter and cut open for inspection. No discrepancies noted.

## Maintenance complied with this visit:

- Installed new oil filter P/N AA28108-2 and safetied.
- Drain engine oil and serviced with 8 quarts Phillips XC 20W50.
- Ran aircraft for leak check none noted at this time.



## Airworthiness Directives complied with this visit:





- None this shop visit
- Bi-weekly A.D.'s checked thru 2019-05

MAINTENANCE RELEASE: The Engine identified above was repaired and inspected in accordance with current regulations of the F.A.A. and was determined to be in an airworthy condition and approved for return to service with respect to the work performed. Pertinent details on file at this Repair Station under Work Order No. JJC-19076.

Signature of Authorized Representative

F.A.A. Repair Station #GBR1150E

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 →					
<div style="text-align: center;">  </div> <p>May 31, 2019 N8052X Continental IO-550N S/N 691425 Hobbs: 854.6 Flight Hobbs: 747.9</p> <p>Changed oil and filter. Checked filter for debris, none found. Obtained oil sample. Serviced engine with Philip's 20W50XC oil. Engine run and leak check satisfactory.</p> <p><i>The engine identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</i></p> <p>Date 05-31-2019 Work Order 19-7043  Eric D Davis A&amp;P 4012123</p>					

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 →					
<div style="text-align: center;">  </div> <p>October 1, 2019 N859SR Cirrus SR22 S/N: 2835 Hobbs: 890.6</p> <p>Changed oil and filter this date. Checked filter for debris, none found. Obtained oil sample. Serviced engine with Philips 20W50XC oil. Engine run and leak check satisfactory.</p> <p><i>The engine identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</i></p> <p>Date 10-01-2019 Work Order 19-7178  Phillip A Lechuga A&amp;P 3321740</p>					
<p>April 28, 2020 N859SR M/N: Continental IO-550-N S/N: 691425 Engine Total Hours: 804.7 Hobbs: 920.6 Flight Time: 804.7</p> <p>Complied with annual inspection IAW FAR 43 Appendix D referencing Cirrus SR22 AMM ch. 05-20 Scheduled Inspection Report. Performed engine compression check. Results are as follows: 1) 62/80, 2) 64/80, 3) 66/80, 4) 64/80, 5) 63/80, 6) 56/80, master orifice 46/80. Drained oil. Took Blackstone oil sample hot at sump. Inspected old oil filter. No visible metal noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Philips 20W50 Xc oil. Cleaned, gapped, and rotated spark plugs. Complied with SB2X-71-33 on cylinder #3 as required. Cylinders 1, 2, 4, 5, and 6 not applicable per SB18-08A. Cleaned turbo oil supply inlet screen IAW TAT SB11-04 steps 1-9. Leak check ok. Cleaned crank case breather discharge tube IAW TAT S108-01 Rev A. Removed, cleaned, and reinstalled fuel nozzles IAW TCM SID05-01. Final run-up ops and leak checks ok. AD's reviewed through 04/28/2020.</p> <p>The maintenance operation(s) described above were inspected in accordance with current FAA regulations and with respect to work performed, the aircraft and/or component was found airworthy and is approved for return to service.</p> <p>Details are on file at this agency under work order 20-10670.</p> <div style="text-align: right;">  Randall J. Ellis, Jr. CRS# 4MYR828C </div>					
<div style="text-align: center;">  </div> <p>11329 East State Road 32, Zionsville, IN 46077   317-769-4487   CERTIFIED REPAIR STATION NO. 1MYR828C</p>					

Date		Total Time		Time Since Last Overhaul	
		Hrs.	Min.	Hrs.	Min.
Brought Forward					
<p>May 12, 2021 N859SR M/N: Continental IO-550-N S/N: 691425            Engine Total Hours: 883.7 Hobbs: 1000.4 Flight Time: 883.7</p>					
<p>Complied with annual inspection IAW FAR 43 Appendix D referencing Cirrus SR22 AMM ch. 05-20 Scheduled Inspection Report. Performed engine compression check. Results are as follows: 1) 71/80, 2) 72/80, 3) 70/80, 4) 72/80, 5) 71/80, 6) 64/80, master orifice 44/80. Drained oil. Took Blackstone oil sample hot at sump. Inspected old oil filter. No visible metal noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Phillips 20W50 X/C oil. Cleaned, gapped, and rotated spark plugs. Checked magneto-to-engine timing. Lubed engine controls. Removed #6 EGT probe and replaced with new P/N 16579-002. Complied with TAT turbo oil supply inlet screen cleaning IAW TAT SB11-04. No defects noted. Complied with TAT S108-01 crankcase breather discharge tube cleaning as required. No defects noted. Cirrus SB 2X-05-02 induction duct flapper bolt replacement does not apply to this aircraft; aircraft is equipped with Tornado Alley Turbo. No further action required. AD 2020-16-11 was previously complied with by compliance with Cirrus SB 2X-71-31 (TCM 18-08) on #3 cylinder. Remaining cylinders are not affected per serial number/manufacture date. No further action required. Removed #5 cylinder exhaust valve cover gasket and replaced with new P/N 658735. Removed cylinder #2 and #4 rocker cover gaskets and replaced with new P/N 658735. Post-maintenance ops and leak checks ok. AD's reviewed through 05/12/2021.</p>					
<p>Continued</p>					
<p>The maintenance operation(s) described above were inspected in accordance with current FAA regulations and with respect to work performed, the aircraft and/or component was found airworthy and is approved for return to service.</p>					
<p>Details are on file at this agency under work order 21-11414.</p>					
<p>John J. Edwards            CRS# 1MYR828C</p>					

Date		Total Time		Time Since Last Overhaul	
		Hrs.	Min.	Hrs.	Min.
Brought Forward					
<p>April 7, 2021 N859SR Cirrus SR-22 S/N 2835            Tach: 999.5            Cleaned cylinder number 6 fuel injector. Engine run and leak check satisfactory.</p>					
<p>The aircraft identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</p>					
<p>Date: April 9, 2021 Work Order 21-410            Phillip Clark A&amp;P 4379157</p>					
<p>September 24, 2021 N859SR M/N: Continental IO-550-N            Engine Total Hours: 913.4 Hobbs: 1032.8</p>					
<p>Complied with annual inspection IAW FAR 43 Appendix D referencing Cirrus SR22 AMM ch. 05-20 Scheduled Inspection Report as a guide. Performed engine compression check. Results are as follows: 1) 64/80, 2) 64/80, 3) 68/80, 4) 60/80, 5) 62/80, 6) 62/80, master orifice 44/80. Blackstone oil sample hot at sump. Inspected old oil filter. No visible metal filter P/N AA48108-2 and serviced engine with 8 quarts of Phillips 20W50 gasolator. Removed #4 cylinder P/N 655932E, S/N AC071D047 and replaced with new P/N 655932E, S/N PGA102989. Post-maintenance ops and leak checks ok. AD's reviewed through 09/24/2021.</p>					
<p>The maintenance, preventive maintenance, or alterations described above in accordance with current FAA regulations and, with respect to work performed, the aircraft and/or component was found airworthy and is approved for return to service for. Details are on file at this agency under work orders 21-11722 and 21-1174.</p>					
<p>OWNER: First wing jet center</p>					
<p>WORK ORDER No. 102989 DATE 07/16/2021</p>					
<p>SIGNED FOR:</p>					

STD STL

**SERVICEABLE**  
 (COMPONENTS)

Cyl Valve Assy CAT  
 COMPONENT NAME MFG. NAME  
 IO-550-N PGA102989  
 MODEL or TYPE SERIAL NO.

☒ REPAIRED ☐ OIL CHG ☒ TESTED ☒ INSPECTED

The aircraft component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Partinent details of the repair are on file at this repair station under:

OWNER: First wing jet center

WORK ORDER No. 102989 DATE 07/16/2021

SIGNED FOR:

**POPLAR GROVE AIRMOTIVE, INC.**  
 11619 U.S. ROUTE 76  
 POPLAR GROVE, IL 61065  
 FAA Approved Repair Station #YYBR664L

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					
Engine November 23, 2021 N859SR Installed new starter P/N PM2407 S/N H-S093044 with reference to Cirrus SR22 maintenance manual. Engine run and leak check satisfactory.					Cirrus SR-22 S/N 2835
<p>The aircraft identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</p> <p>Date November 23, 2021 Work Order 22-637</p> <p><i>Eric Davis</i> Eric Davis A&amp;P 4012123</p>					
December 15, 2021 Hobbs: 1072.8	N859SR	M/N: Cirrus SR22	S/N: 2835	Flight Time: 950.9	
<p>Drained oil. Took Blackstone oil sample hot at sump. Removed oil filter and cut open to inspect. No visible metal noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Phillips 20W50 oil. Post-maintenance ops checks and leak checks ok.</p> <p>The maintenance, preventive maintenance, or alterations described above were inspected in accordance with current FAA regulations and, with respect to work performed, the aircraft and/or components was found airworthy and is approved for return to service for the discrepant items listed.</p> <p>Details are on file at this agency under work order 21-1948.</p> <p><i>John J. Edwards</i> CRS# 1MYR828C</p>					
<p><b>FIRSTWING</b> JET CENTER</p> <p>11329 East State Road 32, Zionsville, IN 46077   317-769-4487   CERTIFIED REPAIR STATION NO. 1MYR828C</p>					
Engine March 24, 2022 N859SR	Cirrus SR-22 Tach: 1124.5		S/N 2835		
<p>Changed oil and filter this date. Checked filter for debris none found. Serviced engine with Phillips 20W50XC oil. Engine run and leak check satisfactory.</p> <p>The aircraft identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</p> <p>Date March 24, 2022 Work Order 22-768</p> <p><i>Ted R. Taylor</i> Ted R. Taylor A&amp;P 31MY83</p>					

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					
Engine May 25, 2022 N859SR					Cirrus SR-22 S/N 2835 Tach: 1168.7
<p>Changed oil and filter this date. Checked filter for debris none found. Serviced engine with Phillips 20W50XC oil. Engine run and leak check satisfactory.</p> <p>The aircraft identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</p> <p>Date May 25, 2022 Work Order 22-863</p> <p><i>Phillip Clark</i> Phillip Clark A&amp;P 4379157</p>					
Airframe July 28, 2022 N859SR					Cirrus SR-22 S/N 2835 Tach: 1181.7
<p>Installed new alternator P/N ES-10024 S/N H-W062001 with reference to Cirrus SR22 maintenance manual. Engine run and leak check satisfactory.</p> <p>The aircraft identified above was repaired and inspected in accordance with current approved data and was found to be airworthy with respect to work performed and approved for return to service.</p> <p>Date July 28, 2022 Work Order 22-941</p> <p><i>Eric Davis</i> Eric Davis A&amp;P 4012123</p>					
October 5, 2022 Hobbs: 1203.9	N859SR	M/N: Cirrus SR22	S/N: 2835	Flight Time: 1079.9	
<p>Removed cylinder #2 EGT probe and replaced with new P/N 16579-002. Borescoped all cylinders as required. Normal wear found. Removed, cleaned, inspected, and reinstalled turbo inlet screen IRW TAT SB 11-04. Cleaned crankcase breather tube IRW TAT SI 08-01. Conformed with Tornado Alley Turbo Instructions for Continued Airworthiness document 22-6460004 Rev C. Confirmed check valve torque is within specs IRS TAT SI 20-01. Complied with 500-hour magneto inspection as required. Removed LH magneto P/N 10-500556-101, S/N D071A250 and replaced with repaired magneto P/N 10-500556-101, S/N D20EA209. Removed RH magneto P/N 10-500556-101, S/N D071A159 and replaced with repaired magneto P/N 10-500556-101, S/N D20EA188. Replaced LH and RH magneto gaskets with new P/N 10-357520. Ops and leak checks ok.</p> <p>The maintenance, preventive maintenance, or alterations described above were inspected in accordance with current FAA regulations and, with respect to work performed, the aircraft and/or components was found airworthy and is approved for return to service for the discrepant items listed.</p> <p>Details are on file at this agency under work order 22-12608.</p> <p><i>Zachary N. Rogers</i> CRS# 1MYR828C</p>					
<p><b>FIRSTWING</b> JET CENTER</p> <p>11329 East State Road 32, Zionsville, IN 46077   317-769-4487   CERTIFIED REPAIR STATION NO. 1MYR828C</p>					

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

October 5, 2022 N859SR M/N: Continental IO-550-N S/N: 691425  
 Engine Total Hours: 1079.7 Hobbs: 1203.2 Flight Time: 1079.7

Complied with annual/prebuy inspection IAW FAR 43 Appendix D IRW Cirrus SR22 AMM. Performed engine compression check. Results are as follows: 1) 68/80, 2) 69/80, 3) 64/80, 4) 75/80, 5) 70/80, 6) 47/80, master orifice 46/80. Drained oil. Took Blackstone oil sample hot at sump. Removed oil filter and cut open to inspect. No visible metal noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Phillips 20W50 oil. Lubed engine. Removed, cleaned, and rotated spark plugs. Removed TAT v-band clamps and replaced with new P/N 11-1100023. Removed bottom #3, #4, and #6 spark plugs and replaced with new P/N URHB32E. Post-maintenance ops and leak checks ok. AD's reviewed through 10/05/2022.

The maintenance, preventive maintenance, or alterations described above were inspected in accordance with current FAA regulations and, with respect to work performed, the aircraft and/or components was found airworthy and is approved for return to service for the discrepant items listed. Details are on file at this agency under work orders 22-12574.

*Zachary N. Rogers*  
 Zachary N. Rogers  
 CRS# 1MYR828C



11329 East State Road 32, Zionsville, IN 46077 | 317-769-4487 | CERTIFIED REPAIR STATION NO. 1MYR828C

October 18, 2022 N859SR M/N: Cirrus SR22 S/N: 2835 Flight Time: 1085.2  
 Hobbs: 1209.6

Removed LH magneto P/N 10-500556-101, S/N 020EA209 and replaced with repaired magneto P/N 10-500556-101, S/N D17JA127. Removed RH magneto P/N 10-500556-101, S/N D20EA188 and replaced with overhauled magneto P/N 10-500556-101, S/N K-09458. Removed LH magneto P/N 10-500556-101, S/N D17JA127 and replaced with overhauled magneto P/N 10-500556-101, S/N K09459. Removed distributor block gasket and replaced with new P/N 10-357520. Ops and leak checks ok.

The maintenance, preventive maintenance, or alterations described above were inspected in accordance with current FAA regulations and, with respect to work performed, the aircraft and/or components was found airworthy and is approved for return to service for the discrepant items listed. Details are on file at this agency under work order 22-12641.

*Clad Jachowski*  
 Clad Jachowski  
 CRS# 1MYR828C



11329 East State Road 32, Zionsville, IN 46077 | 317-769-4487 | CERTIFIED REPAIR STATION NO. 1MYR828C

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

Brought Forward

12/30/22 M/N: Continental IO-550-N S/N: 691425  
 Engine Total Hours: 1087.4 Hobbs: 1211.8 Flight Time: 1087.4

Completed Compression Check, compression check good. Readings are as follows: MO: 44/80, 1) 68/80, 2) 50/80, 3) 60/80, 4) 76/80, 5) 66/80, 6) 56/80.

The maintenance operation(s) described above were inspected in accordance with current FAA regulations and with respect to work performed, the aircraft and/or component was found airworthy and is approved for return to service. Details are on file at this agency under work order 22-12795.

*Aaron L. Boyd*  
 Aaron L. Boyd  
 1MYR828C



11329 East State Road 32, Zionsville, IN 46077 | 317-769-4487 | CERTIFIED REPAIR STATION NO. 1MYR828C

wo. WO\_184 Engine page 1 of 1

## BOLD Aviation

BOLD Aviation 965 Airport Access Dr. Greenwood, IN 46143 317-745-4422

N859SR CONT MOTOR, IO-550-N, S/N: 691425 April 13, 2023  
 FLIGHT: 1117.7 HOBBS: 1242.8

Performed Engine Oil & Filter Change:

- Drained Engine Oil
- Removed Tempest AA48108-2 Oil Filter. Cut Open Filter and Inspected. No Debris Noted.
- Installed Tempest AA48108-2 Oil Filter.
- Serviced Engine with 7 Quarts Phillips 20W50 XC.
- Performed Engine Ground Run and Leak Check with No Discrepancies Noted.

I certify that this aircraft, engine, propeller, or appliance identified above was repaired and/or inspected and determined to be in an airworthy condition and approved for return to service. Details of work performed are on file with BOLD Aviation under work order: WO\_184.

Ray Hutcheson A&P Mechanic 4626697

*Ray Hutcheson*

Registration: N859SR  
AC Serial Number: 2835  
Airframe TT: 13528.4  
Tach: 1743.6  
Engine Serial Number 691425  
ETSN: 1144.7 ETSO: N/A  
WO: IN05219



## Service and Maintenance Record

Inspections, Airworthiness Directives, Special Inspections,  
and Service Bulletins

Maintenance performed:  
Complied with a 100 Hr. inspection referencing the aircraft and engine MMAs. Drained the oil  
inspected the oil filter; no metal found. Installed a new filter PN A-A48108-2 and serviced the  
engine with 7 Qts of Phillips 20W50NC. Performed compression test 1) 66/80. 2) 68/80. 3)  
74/80. 4) 68/80. 5) 74. 6) 66 Complied with AD 2023-09-09 (j) by visually inspect the v-band  
coupling as required by paragraphs (k)(1) through (7) of this AD. Next due 11/2024.  
Clamp replacement due at 1579.7 ATTT. Cleaned the fuel injectors and replaced the #3  
injector (AW tornado) per instructions. Run up and leak check Good.  
Details of the work are on file under work order IN06038.

Date: 11/15/2023

Signature:   
Gregory Dodson  
LIFT Maintenance 2753 Cargo Drive, Indianapolis, IN 46241

AS/PW 31444131A

## LIFT Maintenance

PART #: TIGT550-19B

Description: Injector for kit TIGT 550-19B  
Bin: LMVHANGAR Warehouse: IND WHSE  
Received: 11/08/2023 Serial Number: 1704B  
Expiration: Condition: New

LOT #: LT23-01807



Invoice

Page 1/1  
Invoice INW000022403  
Date 11/6/2023

General Aviation Modifications, Inc.  
2800 Airport Road  
Ada OK 74820

Bill To: LIFT FLIGHT ACADEMY  
2753 CARGO DR  
INDIANAPOLIS IN 46241-4965

Ship To: LIFT FLIGHT ACADEMY  
2753 CARGO DR  
INDIANAPOLIS IN 46241-4965

Customer ID	Plane N Number	Kit SN#	Engine	Shipping Method	Payment Terms	Master No.
LIFL1050	N859SR	1704B	TNIO-550-N	UPS BLUE	Credit Card	22,836
Ordered	Shipped	Item Number	Description	Unit Price	Ext. Price	
1	1	REPL INJ TIGT 550-19B 1704B-3	REPLACEMENT INJECTOR FOR KIT TIGT 550-19B	\$149.00	\$149.00	

UPS-126XX750272149676

Subtotal \$149.00  
Misc \$0.00  
Tax \$0.00  
Freight \$32.00  
Trade Discount \$0.00  
Total \$181.00

(580) 436-4833

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