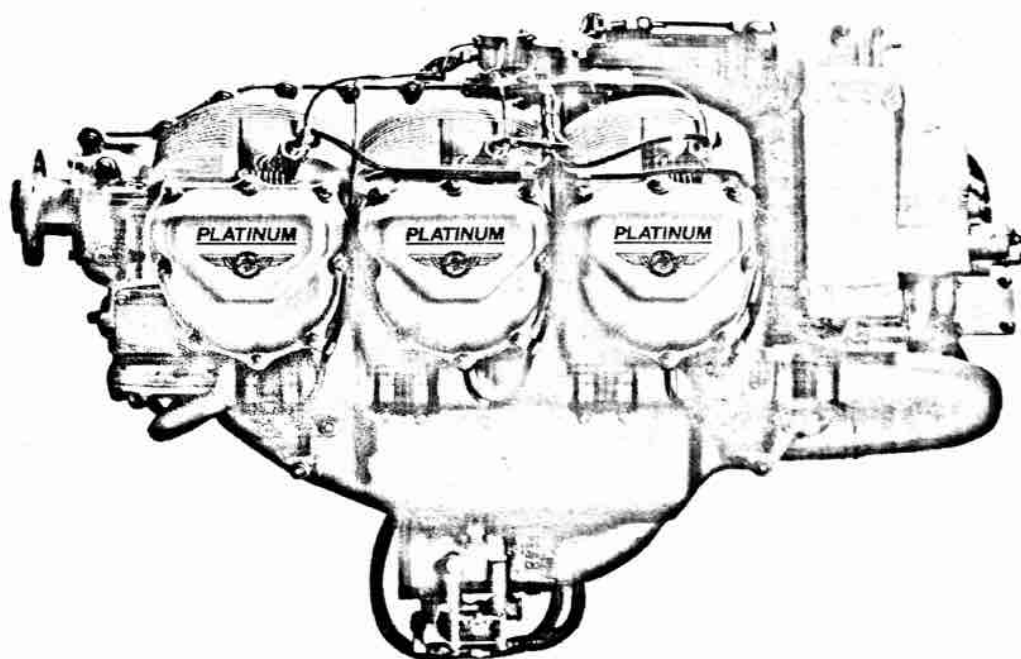


# PLATINUM ENGINE LOG BOOK



## 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: 08/25/2007

This engine model I0550N50, Serial No. 691359 was manufactured on 08/23/2007  
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.



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**TELEDYNE CONTINENTAL MOTORS**  
A TELEDYNE TECHNOLOGIES COMPANY  
PRODUCTION CERTIFICATE NO. 508

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.	
	7	4			<p>THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC</p> <p>CDC <sup>55</sup>/<sub>CDC</sub> of OCT 03 2007 Cirrus Design Corporation Duluth, MN USA PC# 338CE</p>

ENGINE MODEL: IO-550-N  
ENGINE S/N: 691359  
REG NO: N881SR  
WORK ORDER:  
2390-11-2007



**Twin Cities Aviation, Inc.**

8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE: 11/9/2007  
A/C TSN:  
ENG TT:  
HOBS: 29.2

**Engine Entries**

Drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, installed new CH48108-1 oil filter, torqued and safetied, serviced with 7 quarts Phillips 20w50 M, checked lights, battery electrolyte level, serviced tires, ground run, leak check satisfactory.—Diagnosed for #1 alt circuit breaker pops. Overvoltage found on runup. Replaced #1 field control unit, ops check bad. Found internal alternator failure of 1 ohm resistance thru field. Removed alternator PN ES-10024 and installed new. Operational check bad on run up. Back to field control unit failure due to bad alternator. Breaker pops again.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 11/9/2007

SIGNED:

Jeff Iskierka, A&P: 470046442

Work Order: 2390-11-2007

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:  
ENGINE S/N  
REG NO N881SR  
WORK ORDER:  
417-11-2007

**Twin Cities Aviation, Inc.**  
8891 Airport Rd - Box A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165 / 651-290-2071

DATE: 11/27/2007  
A/C TSN: 52.7  
ENG TT:  
HOBBS: 52.7

**Engine Entries**

C/W 50 hour engine inspection. Drained oil and took sample to be sent in for analysis. Remove oil filter and cut open to check for contaminants. None noted. Installed new Champion Oil Filter PN CH48108, torqued and safetied. Verified oil drain was locked closed and safetied. Serviced engine with 7 quarts Aeroshell 15W-50. Serviced tires to 40 PSI for the nose tire and 62 PSI for both mains. Serviced brake reservoir with 5606 hydraulic fluid. Serviced battery to proper electrolyte levels. Checked for proper operation of aircraft exterior lights and found all to be satisfactory at this time. Performed ground run and leak inspection, no leaks detected. Operational check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 11/27/2007

SIGNED: 

Stan McHann, A&P: 3221262

Work Order: 417-11-2007

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N  
ENGINE S/N 691359  
REG NO N881SR  
WORK ORDER:  
2439-12-2007



**Twin Cities Aviation, Inc.**  
8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE: 12/12/2007  
A/C TSN: 75.1  
ENG TT: 75.1  
HOBBS: 75.1

**Engine Entries**

Installed Reiff preheat oil sump heater and six hotband cylinder heaters IAW Reiff Preheat Systems installation instructions. Updated weight and balance. Operational check satisfactory.—Removed fuel injectors, cleaned, re-installed IAW TCM Maintenance Manual, ops checked satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 12/12/2007

SIGNED: 

Jeff Iskierka, A&P: 47004644

Work Order: 2439-12-2007

Printed by EBis 3 (datcomedia.com)

Hrs. Min. MTS. WHT. Modifications and Service Bulletins

Brought For

ENGINE MODEL IO-550-N  
ENGINE S/N 691359  
REG. NO. N881SR  
WORK ORDER  
2458-01-2008



**Twin Cities Aviation, Inc.**

8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE 1/9/2008  
A/C TSN: 103.5  
ENG TT: 103.5  
HOBS: 103.5

**Engine Entries**

1 of 1  
C/W Cirrus Design 100 hour Engine Demo Care Program. Cleaned, inspected, gapped and tested spark plugs. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3, Compression, #1-74/80, #2-72/80, #3-76/80, #4-76/80, #5-76/80, #6-73/80. Drained oil and sample taken, removed filter, opened and inspected, no adnormal metal noted. Serviced w/ 7 qts of Aeroshell 15w-50 and a new CH48108-1 filter installed, quick drain verified closed and filter torqued and safetied. External mag timing checked and adjusted to 22 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly Inspected Tornado Alley Turbocharger IAW Instructions for Continued Airworthiness 100 hour inspection, No defects noted. Ground run, ops and leak check satisfactory. I certify that this powerplant has been inspected IAW a Cirrus Design Demo Inspection and was determined to be airworthy with respect to work performed at this date and time. Cleaned engine

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 1/9/2008

SIGNED:

Andrew Bougetz, A&P: 2856245

Work Order: 2458-01-2008

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N  
ENGINE S/N: 691359  
REG. NO. N881SR  
WORK ORDER:  
2545-03-2008



**Twin Cities Aviation, Inc.**

8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE: 3/17/2008  
A/C TSN: 160.1  
ENG TT: 160.1  
HOBS: 160.1

FIT 152.4

**Engine Entries**

C/W 150 hr inspection IAW Cirrus Design Demonstrator care program check list. Drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Aeroshell 15W50 installed new CH48108-1 filter, torqued and safetied, inspected air intake ducts, drained and cleaned gascolator fuel filter and bowl, inspected breather tube and exhaust system, inspected alternate air door operation, checked lights, checked electrolyte level, serviced tires, ground run, ops check and leak check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 3/17/2008

SIGNED:

Work Order: 2545-03-2008

ENGINE MODEL: IO-550-N  
ENGINE S/N 691359  
REG. NO. N881SR  
WORK ORDER:  
2612-05-2008

**Twin Cities Aviation, Inc.**

8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE: 5/6/2008  
A/C TSN 199.5  
ENG TT 199.5  
HOBS: 199.5

Fuel: 191.7

**Engine Entries**

C/W 50, 100, 200 Hour Cirrus Maintenance Inspection on Engine. Drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Aeroshell 15W50 installed new CH48108-1 filter, torqued and safetied, inspected air intake ducts, drained and cleaned gascolator fuel filter and bowl, inspected breather tube and exhaust system, inspected alternate air door operation, Compressions #1 72/80 #2 72/80 #3 76/80 #4 76/80 #5 74/80 #6 72/80, Mag timing check and adjusted to 22 degrees, checked lights, checked electrolyte level, serviced tires, ground run, ops check and leak check satisfactory ---C/W AD 07-16-10, Turbocharger Compressor Rotor, DNA, Turbocharger Serials Not Installed, No further action required.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 5/6/2008

SIGNED:

Andrew Bougetz, A&P: 2856245

Work Order: 2612-05-2008

Printed by EBis 3 (datcomedia.com)

Hrs.	Min.	Hrs.	Min.
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Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins



GRAND FORKS INTERNATIONAL AIRPORT  
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203  
**Powerplant Logbook Insert**

Date: 8/12/2008; Aircraft: 881SR; Type: CIRRUS DESIGN; S/N: 2722; Hobbs: 282.20; Tach: 274.10; Total Time:; Engine - Type: Continental, S/N: 691359, Time: 274.10; Prop - Type: Hartzell, S/N:; Time: 274.10; Work Done At -, Engine Time: 274.10, Drained oil, took sample and removed filter, serviced engine with 8 Qts. Aeroshell 15W50 and a CH48108-1 filter, run up and leak check good.

Bob Martin  
A&P471824633

*Bob Martin*



GRAND FORKS INTERNATIONAL AIRPORT  
2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203  
**Powerplant Logbook Insert**

Date: 9/16/2008; Aircraft: 881SR; Type: CIRRUS DESIGN; S/N: 2722; Hobbs: 314.50; Tach: 306.40; Total Time:; Engine - Type: Continental, S/N: 691359, Time: 306.40; Prop - Type: Hartzell, S/N:; Time: 306.40; Work Done At -, Engine Time: 306.40, Drained oil, took sample and removed filter, serviced engine with 8 qts. Aeroshell 15W50 and a CH48108-1 filter, run up and leak check good.

Bob Martin  
A&P471824633

*Bob Martin*

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.	



GRAND FORKS INTERNATIONAL AIRPORT  
 2467 AIR CARGO DRIVE • GRAND FORKS, ND 58203  
**Air Frame Logbook Insert**

Date: 9/18/2008; Aircraft: 881SR; Type: CIRRUS DESIGN; S/N: 2722; Hobbs: 318.00; Tach: 309.80; Total Time:; Engine - Type: Continental, S/N: 691359, Time: 309.80; Prop - Type: Hartzell, S/N: , Time: 309.80; Work Done At -, Engine Time: 309.80, Completed a 300 hour inspection in reference to a CDC 300 hour maintenance check, Compression test: #1 75/80, #2 74/80, #3 75/80, #4 76/80, #5 75/80, #6 70/80, run up and elak check good.

Bob Martin  
 A&P471824633IA  


Brou

ENGINE MODEL: IO-550-N  
ENGINE S/N: 691359  
REG NO N881SR  
WORK ORDER:  
2390-11-2007



**Twin Cities Aviation, Inc.**

8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE: 11/9/2007  
A/C TSN:  
ENG TT:  
HOBBBS: 29.2

**Engine Entries**

Drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, installed new CH48108-1 oil filter, torqued and safetied, serviced with 7 quarts Phillips 20w50 M, checked lights, battery electrolyte level, serviced tires, ground run, leak check satisfactory.---Diagnosed for #1 alt circuit breaker pops. Overvoltage found on runup. Replaced #1 field control unit, ops check bad. Found internal alternator failure of 1 ohm resistance thru field. Removed alternator PN ES-10024 and installed new. Operational check bad on run up. Back to field control unit failure due to bad alternator. Breaker pops again.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 11/9/2007

SIGNED:

Jeff Iskierka, A&P: 478048142

Work Order: 2390-11-2007

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ENGINE MODEL: IO-550-N  
ENGINE S/N: 691359  
REG NO: N881SR  
WORK ORDER:  
2666-06-2008



**Twin Cities Aviation, Inc.**

8891 Airport Rd #A-2  
Blaine, Minnesota 55449  
Phone: 763-784-9165

DATE: 6/5/2008  
A/C TSN: 232.5  
ENG TT: 232.5  
HOBBBS: 232.5

**Engine Entries**

Adjusted manifold press. ran engine op's ck good.---Removed and replaced waste gate pins with new PN MS20392-1C19, MS20392-1C19. Ran engine op's ck good.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 6/5/2008

SIGNED:

David Posten, A&P: 557197258

Work Order: 2666-06-2008

Printed by EBis 3 (datcomedia.com)



# Engine Service and Maintenance Record

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

Last Overhaul

Hrs.	Min.	Hrs.	Min.
------	------	------	------

Brought Forward →

11/7/08 Hobbs 376.7 N881SR ENGINE

Performed an Annual Inspection. Compression Check. #1 71/80 #2 63/80 #3 73/80 #4 70/80 #5 71/80 #6 67/80. The compression check was performed I/A/W Continental SB 03-3. Changed the oil and filter. 7 qt. 20W-50 Phillips M was added. The plugs were cleaned, gapped and rotated. Checked the magneto timing. Replaced the #6 cylinder intake gasket. Tightened the bolt for the front baffling. Tightened the crankcase vent hose. Tightened the #5 EGT probe, the #4 exhaust shield, the left turbo oil fitting and the right magneto pressurization fitting. Cleaned the air filter. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2008-22.

TECHNICIAN 376.7 I CERTIFY THAT  
 THIS (ENGINE) HAS BEEN INSPECTED IN  
 ACCORDANCE WITH AN (AD) AND  
 INSPECTION AND WAS DETERMINED TO BE IN  
 AIRWORTHY CONDITION. PERTINENT DETAILS OF  
 THE REPAIR ARE ON FILE AT THIS AGENCY  
 UNDER WORK ORDER:  
 NO. W08-13129  
 DATE 11/7/08 SIGNED Walt B. [Signature]  
 G-FORCE AVIATION, INC.  
 #KRON/CANTON AIRPORT  
 NORTH CANTON, OHIO 44720  
 FAA REP/PAI STA. 66058337

12-18-08	410.6	Flight Time	Replaced failed alternator #1 ES10024
Hobbs	418.8		PN: 656802 SN: H100080 with a new unit
			SN: J082548. (Checked regulator + fuse -OK.
			Found high resistance in field windings.)
			Ran engine and alternator OK's OK.
			Warranty Authorization # CAB-2448.
			Check M. W. [Signature] AWP/IA 3352309
			Lost Nation Aviation. 440-953-2992

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	→				
4-17-2009	4	75	8		Cyl. comp *) 75 to 2) 77 to 3) 79 to 4) 73 to 5) 79 to 6) 80. Oil drained, filter changed (OH48109-1) Filter opened and inspected - OK. Serviced with 8 quarts of Aeroshell 1550. Replaced all spark plugs (RH B32E). Magneto timing checks - OK. Fuel injectors cleaned and installed with new O-rings (630979-9). Tightened clamps for Rt and Lt. heat shields. Engine ran and leak checked - OK. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Charles M. Michowicz AIP/A 3352309
4/27/09	4	76	5		Adjusted the Turbo controller down 1/16 turn to prevent over boosting
<b>MAINTENANCE RELEASE</b> The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. pertinent details of the repair are on file at this agency under work order: No. <u>MO9-1354.B</u> Date <u>4/27/09</u> Signed <u>Heath P. King</u> for G-Force Aviation, Inc. Akron/Canton Regional Airport Building #17 North Canton, Ohio 44720 FAA Repair Sta. G25B236Y					<del> <b>MAINTENANCE RELEASE</b>            The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.            pertinent details of the repair are on file at this agency under work order:            No. <u>MO9-1354.B</u> Date <u>4/27/09</u>            Signed <u>Heath P. King</u> for            G-Force Aviation, Inc.            Akron/Canton Regional Airport            Building #17            North Canton, Ohio 44720            FAA Repair Sta. G25B236Y         </del>
May 26, 2009	FLIGHT HOBBS, T.	4	97	3	Removed fuel nozzles on #2 and #3 cyl., cleaned and installed fuel nozzles with new seals. Operational check normal, no leaks noted. James H. Hill AIP 2669296

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.	

t Forward →

8/21/09 Flight Hobbs 572.0 N881SR ENGINE

Complied with Cirrus Schedule Maintenance Program 100 hr Interval Items In-Service Inspection  
 2. C/W Tornado Alley 100 hr inspection I/A/W Tornado Alley instructions for continued airworthiness.  
 Compression Check. #1 69/80 #2 68/80 #3 73/80 #4 74/80 #5 72/80 #6 72/80. Changed the oil and filter. 8 qt. 20W-50 Phillips was added. The plugs were cleaned, gapped and rotated. Removed the magnetos and sent to Poplar Grove Airmotive for a 500 hr magneto inspection. Both checked ok. Reinstalled the magnetos to the engine and timed. Replaced the magneto pressurization filter. Replacement is due again at 872.0 hrs or 8/12. Serviced the air filter I/A/W Tornado Alley SB SI08-05. Servicing is due again 8/10 or 672.0 hrs. C/W Tornado Alley service instruction SI08-01 Rev. A. Cleaned out the breather discharge tube as instructed. Due again at 622.0 hrs. C/W Tornado Alley service instruction SB09-01 Inspection of the exhaust manifold as instructed. Checked ok. Inspection is due again at 622.0 hrs. Replaced one bumper for intake manifold support. Replaced the heat shield that is mounted on the exhaust between the #3 & #5 exhaust stack. Replaced the tail pipe V-band clamps due to Tornado Alley life limit. Replacement is due again at 1022.0 hrs flight hobbs. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2009-17.

TOTAL TIME 572.0

TACHOMETER 572.0 I CERTIFY THAT THIS ( Engine ) HAS BEEN INSPECTED IN ACCORDANCE WITH AM (CIRRUS 100HR) INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER :  
 NO 1408-13890 & 13862

DATE 8/21/09 SIGNED Harold B Meyer  
 G-FORCE AVIATION INC.  
 AKRON/CANTON AIRPORT  
 NORTH CANTON OHIO 44720  
 FAA REPAIR STA. G25R235Y

10-29-09	619.7	Complied with Tornado Alley service instruction SB09-01 by inspection of the exhaust manifold. BdHKL A+P3409281A
10-29-09	FL 619.7	Changed oil + FILTER (P/N CH 48110.) Added 7QTS 15W50 AeroShell oil. Ritch Kovacic A+P 3027373
2/18/2010	FL 662.3	Change oil ADDED 8QTS AeroShell 15W50 OOS CK LTS, CK TIRES Change oil Filter P/N 48110-2 Ritch Kovacic A+P 3027373
		Out of order

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.	
Flight Forward →					

12/03/09 Flight Hobbs 629.0 N881SR ENGINE

Performed an Annual Inspection. C/W Tornado Alley 100 hr inspection I/A/W Tornado Alley instructions for continued airworthiness. Compression Check. #1 67/80 #2 65/80 #3 67/80 #4 70/80 #5 71/80 #6 69/80. Changed the oil and filter. 8 qt. 15W-50 Aeroshell was added. The plugs were cleaned, gapped and rotated. C/W Tornado Alley service instruction SI08-01 Rev. A. Cleaned out the breather discharge tube as instructed. Due again at 679.0 hrs. C/W Tornado Alley service instruction SB09-01 Inspection of the exhaust manifold as instructed. Checked ok. Inspection is due again at 679.0 hrs. C/W Tornado Alley service instruction SI08-04 Heat Exchanger Inspection. Checked ok. Inspection is due again 729.0 hrs. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2009-24.

TOTAL TIME 629.0  
TACHOMETER 629.0 I CERTIFY THAT  
THIS ( ENGINE ) HAS BEEN INSPECTED IN  
ACCORDANCE WITH AN ( ANNUAL )  
INSPECTION AND WAS DETERMINED TO BE IN  
AIRWORTHY CONDITION. PERTINENT DETAILS  
OF THE REPAIR ARE ON FILE AT THIS AGENCY  
UNDER WORK ORDER :  
NO. 1109-14153

DATE 12/3/09 SIGNED Walter B. Meyer  
G-FORCE AVIATION INC.  
AKRON/CANTON AIRPORT  
NORTH CANTON OHIO 44720  
FAA REPAIR STA. G25R235Y

2-19-10

162.3

Replaced oil filter w/ CH48109.

B31101 ArP 3408281TA

Correction of Flight Hobbs Time 733.5 Paul Harper ArP 3128359 I.A.

07/22/10 Flight Hobbs ~~770.0~~ N881SR ENGINE

Performed an Annual Inspection. C/W Tornado Alley 100 hr inspection I/A/W Tornado Alley instructions for continued airworthiness. Compression Check. #1 62/80 #2 62/80 #3 62/80 #4 66/80 #5 64/80 #6 61/80. Changed the oil and filter. 8 qt. 15W-50 Aeroshell was added. The plugs were cleaned, gapped and rotated. C/W Tornado Alley service instruction SI08-01 Rev. A. Cleaned out the breather discharge tube as instructed. Due again at 820.0 hrs. C/W Tornado Alley service instruction SB09-01 Inspection of the exhaust manifold as instructed. Checked ok. Inspection is due again at 820.0 hrs. C/W Tornado Alley service instruction SI08-04 Heat Exchanger Inspection. Checked ok. Inspection is due again 820.0 hrs. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2010-14.

TOTAL TIME ~~770.0~~ 733.5

TACHOMETER ~~770.0~~ I CERTIFY THAT THIS (ENGINE) HAS BEEN INSPECTED IN ACCORDANCE WITH AN (ANNUAL) INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER:

NO. M10-14513

DATE 7/22/10 SIGNED Paul Harper  
 G-FORCE AVIATION INC.  
 AKRON/CANTON AIRPORT  
 NORTH CANTON OHIO 44720  
 FAA REPAIR STA. G25R235Y



# Engine Service and Maintenance Record

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

Date	Total Time		Time Since Last Overhaul		
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
9/30/10	FLT 778	MOB 133			<p>Drained engine oil and removed old oil filter. Filter cut open for inspection and no contamination found at this time. Installed new AA48109-1 oil filter and serviced engine with 7.5 gts of Aeroshell 15W50 oil. Complied with Tornado Alley SI 08-01 Rev A by cleaning and inspection of the Breather Discharge Tube due again at 828.3. Complied with Tornado Alley SB 09-01 Inspection of the Exhaust Manifold. Due again 828.3. Complied with Tornado Alley SI 08-04 Heat Exchanger Inspection. Due again 828.3.</p>
<p><b>MAINTENANCE RELEASE</b>                      The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.                      Pertinent details of the repair are on file at this agency under work order:                      No. <u>M10-14558</u> Date <u>9/30/10</u>                      Signed, <u>Paul Harper</u> for                      G-Force Aviation, Inc.                      Auen/Canton Regional Airport</p>					
<p><del>MAINTENANCE RELEASE</del>                      The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.                      Pertinent details of the repair are on file at this agency under work order:                      No. _____ Date _____                      Signed _____ for                      G-Force Aviation, Inc.                      Auen/Canton Regional Airport</p>					

Brought Forward →

01/17/11 Flight Hobbs 826.0 N881SR ENGINE

Performed an Annual Inspection. C/W Tornado Alley 100 hr inspection I/A/W Tornado Alley instructions for continued airworthiness. Compression Check. #1 60/80 #2 64/80 #3 64/80 #4 72/80 #5 64/80 #6 66/80. Changed the oil and filter. 8 qt. 15W-50 Acrosshell was added. The plugs were cleaned, gapped and rotated. C/W Tornado Alley service instruction SI08-01 Rev. A. Cleaned out the breather discharge tube as instructed. Due again at 876.0 hrs. C/W Tornado Alley service instruction SB09-01 Inspection of the exhaust manifold as instructed. Checked ok. Inspection is due again at 876.0 hrs. C/W Tornado Alley service instruction SI08-04 Heat Exchanger Inspection. Checked ok. Inspection is due again 876.0 hrs. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2011-01-14.

TOTAL TIME 826.0  
TACHOMETER 826.0 I CERTIFY THAT THIS (ENGINE) HAS BEEN INSPECTED IN ACCORDANCE WITH AN (ANNUAL) INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 11-14805

DATE 01/17/11 SIGNED Paul Harpe  
G-FORCE AVIATION INC.  
AKRON/CANTON AIRPORT  
NORTH CANTON OHIO 44720  
FAA REPAIR STA. G25R231Y

*Paul Harpe*

02/23/11 Flight Hobbs 871.5 N881SR ENGINE

Replaced missing RH upper gear leg fairing with new part. Removed and replaced manifold pressure sensor with new part. Removed and replace manifold pressure controller with new part. Ground runs complete. Test flight required. *Edward Garrison completed 2/23/11 3729572CFIS/12 MP SENSOR & COMP per Airframe A.*

MAINTENANCE  
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this agency under work order:

No. 11-14833 Date 2/23/11

Signed *Paul Harpe* for  
G-Force Aviation, Inc.  
Akron/Canton Regional Airport  
Building #17  
North Canton, Ohio 44720  
FAA Repair Sta. G25R231Y



Serial: 2722



Tach Time  
Hobbs Time: 866.3  
Total Time: 866.3

- 1) REMOVED RIGHT MAG FOR INSPECTION. POINTS NOT FUNCTIONING. COIL AND CAPACITOR LEAD ENDS ARE CORRODED AND BROKEN. MAG HAS A HOT/BURNING PLASTIC SHELL. REPLACEMENT MAG TO BE INSTALLED. INSTALLED A NEW MAGNETO P/N 10-500556-101, S/N D11AA016 US. G A NEW GASKET P/N 10-400613 REFERENCING TCM MANUAL X30634A. COMPLETED A GROUND RUN AND OPERATIONAL TEST OF THE INSTALLED MAGNETO. FUNCTIONAL CHECK WAS NORMAL WITH NO LEAKS. P/N REMOVED-10-500556-101, S/N REMOVED-D07HA169.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work order W0-12696 Date 02/18/2011 Signed James A. Schild APD 265911924  
Pensacola Aviation Center, Pensacola Regional Airport, Pensacola, FL 32513

ITEM: 1  
3015C43  
PN: 10-500556-101  
NSCC, MARCH 11  
QTY: 1  
U/M: EA

1. Approving National Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number 3015043	
4. Organization Name and Address Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee Wichita, KS 67218			5. Work Order/Contract/Invoice Number 1079840		
6. Item MAGNETO	7. Part Number 10-500556-101	8. N/A	9. Quantity 1	10. Serial/Part Number D11AA016	11. Status/Work New
12. Remarks AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.					
13. Remarks PO# 11-00090					
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.			15. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13. Certifies that unless otherwise specified in Block 13, a work identified in Block 13 and described in Block 11 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
16. Authorized Signature <i>James A. Schild</i>		17. Approval/Authorization No. 00A-100129-CE		18. Authorized Signature	
19. Name (Typed or Printed) JAMES A. SCHILD		20. Date (month/year) FEB/17/2011		21. Approval/Certificate No.	
22. Name (Typed or Printed): User/Installer Responsibilities					
23. Date (month/year):					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an authority other than the authority of the country specified in Block 1, it is essential that the user/installer ensures that neither airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.					

N881SR  
S/N 2722

Cirrus SR22  
Hobbs: 976.0

4-14-2011  
Flight: 909.2

INSPECTED ENGINE IAW CIRRUS 50HR INSP. CHECKLIST AND THE SCOPE OF FAR-43 APP-D AS GUIDELINES.  
RAN AIRCRAFT TO OPERATING TEMPS.  
DRAINED OIL, REMOVED FILTER, INSTALLED/TORQUED/SECURED NEW 48108 FILTER.  
SERVICED ENGINE W/8QTS AEROSHELL 15W50 OIL.  
PERFORMED GROUND FUNCTIONAL TEST, LEAK CHECKED, FOUND TO BE AIRWORTHY.  
Eric Stutzman *Eric Stutzman* AP Temp Pending

Date

Total Time

Time Since

# Engine Service and Maintenance Record

Inspections,

Brought

03/06/11 Flight Hobbs 875.5 N881SR ENGINE

Removed LH and RH exhausts from turbo chargers. Inspected turbo charger impellers and cases, no faults found. Inspected Master and Slave wastegates, found slave wastegate to be out of adjustment with master. Adjusted slave wastegate by adjustment of link cable assembly. All inspection and adjustments completed in accordance with Tornado Alley Continued Airworthiness document 22-6460004 Rev. A. Re-installed exhausts. V-Band Exhaust clamps torque loaded and safety wired. Induction system Leak and function test completed. Ground runs complete. System operating normally on the ground.

... was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Additional details of the repair are on file at the agency under work order:

No. 11-14833 Date 03/06/11

Signed Paul Harper for  
 George Aviation, Inc.  
 Canton Regional Airport  
 Canton, Ohio 44720  
 Repair Sta. G25R235Y

TORNADO ALLEY TURBO INC.  
300 AIRPORT RD  
ADA, OK 74820

ENGINE LOG BOOK ENTRY

11 APRIL 2011

N881SR CIRRUS SR22-G3 SN: 2722 ACFT HOBBS: 961.6 FLIGHT: 891.1  
TCM 10-550-N SN: 691350 ENG TT: 891.1 ENG TSMOH: N/A

FOUND TIT PROBE WITH BROKEN TIP. REPLACED PROBE WITH NEW PART.  
FOUND MP CONTROLLER TO BE FAULTY. REMOVED AND REPLACED MP CONTROLLER WITH NEWLY REBUILT UNIT. ADJUSTED MP CONTROLLER TO SPECIFICATIONS.  
REMOVED, AND CHANGED #3 FUEL NOZZLE TO SIZE "C", AND REINSTALLED.  
ALL MAINTENANCE PERFORMED IN ACCORDANCE WITH APPLICABLE MAINTENANCE MANUALS.  
RUN-UP, OP's, AND LEAK CHECK OK.

TORNADO ALLEY TURBO, INC.



DAVID R LANDRETH A&P 2651512 IA

05/26/11 Flight Hobbs 924.7 N881SR ENGINE

Complied with Cirrus Schedule Maintenance Program 100 hr Interval Items In-Service Inspection  
2. C/W Tornado Alley 100 hr inspection I/A/W Tornado Alley instructions for continued airworthiness.  
Compression Check. #1 64/80 #2 52/80 #3 55/80 #4 65/80 #5 40/80 #6 61/80. Changed the oil and filter. 8 qt.  
Aeroshell 15W-50 was added. All spark plugs replaced with new. Re-timed and synchronized the magnetos to the engine. Serviced the air filter I/A/W Tornado Alley SB SI08-05. Servicing is due again 5/11 or 1047.7 hrs. C/W Tornado Alley service instruction SI08-01 Rev. A. Cleaned out the breather discharge tube as instructed. Due again at 1024.7 hrs. C/W Tornado Alley service instruction SB09-01 Inspection of the exhaust manifold as instructed. Checked ok. Inspection is due again at 1024.7 hrs. Exhaust V band clamp replacement is due at 1022.0 hrs flight hobbs. Repaired faulty ignition harness. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked with ATP through 05/26/11.

TOTAL TIME 997.7

FLT HOBBS

TACHOMETER 924-7 I CERTIFY THAT  
THIS (ENGINE) HAS BEEN INSPECTED IN  
ACCORDANCE WITH AN (100HR)  
INSPECTION AND WAS DETERMINED TO BE IN  
AIRWORTHY CONDITION. PERTINENT DETAILS  
OF THE REPAIR ARE ON FILE AT THIS AGENCY  
UNDER WORK ORDER NO. 11-14942

DATE 5/26/11 SIGNED  
G-FORCE AVIATION INC.  
AKRON/CANTON AIRPORT  
NORTH CANTON OHIO 44720  
FAA REPAIR STA. G25R235Y

Paul Harper



08/18/11 Hobbs 1110.4 Flight Hobbs 1024.0 N881SR ENGINE

Complied with Cirrus Schedule Maintenance Program 100 hr Interval Items In-Service Inspection  
2. C/W Tornado Alley 100 hr inspection I/A/W Tornado Alley instructions for continued airworthiness.  
Compression Check. #1 56/80 #2 49/80 #3 48/80 #4 67/80 #5 54/80 #6 69/80. Changed the oil and filter. 8 qt.  
Aeroshell 15W-50 was added. All spark plugs cleaned, checked and rotated. Re-timed and synchronized the  
magnetos to the engine. Serviced the air filter I/A/W Tornado Alley SB S108-05. Servicing is due again 1124.0 hrs.  
C/W Tornado Alley service instruction S108-01 Rev. A. Cleaned out the breather discharge tube as instructed. Due  
again at 1124.0 hrs. C/W Tornado Alley service instruction SB09-01 Inspection of the exhaust manifold as  
instructed. Checked ok. Inspection is due again at 1124.0 hrs. Exhaust V band clamp replacement is due at 1074.0  
hrs flight hobbs. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for  
operation and leaks. AD's were checked with ATP through 08/18/11.

TOTAL TIME 1110-4  
TACHOMETER 1024-0 I CERTIFY THAT  
THIS (ENGINE) HAS BEEN INSPECTED IN  
ACCORDANCE WITH AN (100HR )  
INSPECTION AND WAS DETERMINED TO BE IN  
AIR WORTHY CONDITION. PERTINENT DETAILS  
OF THE REPAIR ARE ON FILE AT THIS AGENCY  
UNDER WORK ORDER :  
NO. 11-15063

DATE 8/18/11 SIGNED Paul Harper  
G-FORCE AVIATION INC.  
AKRON/CANTON AIRPORT  
NORTH CANTON OHIO 44720  
FAA REPAIR STA. G25R235Y

I certify that this engine has been inspected I.A.W  
an ANNUAL inspection and was found to be in  
an airworthy condition

Paul Harper  
G. Force Aviation Inc.

Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins
brought Forward →				
11/18/11 Flight Hobbs 1075.5 N881SR ENGINE				
Complied with 50 hr inspection . Drained engine oil and removed oil filter. Filter cut open and inspected, no contamination found. Installed new oil filter and 7 qts of AeroShell 15W50 oil. C/W Tornado Alley SI 08-01 Rev. A, SI 08-04 and SB 09-01. Checked compressions #1 58/80 #2 61/80 #3 62/80 #4 71/80 #5 12/80 #6 64/80. Advised customer of low compressions on #1 and # 5 cylinders.				
<p style="text-align: center;">MAINTENANCE RELEASE</p> <p>THE AIRCRAFT AND/ OR COMPONENTS IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER :</p> <p>NO. <u>11-15118</u></p> <p>DATE <u>11/18/11</u> SIGNED <u><i>Paul Hanges</i></u></p> <p>G-FORCE AVIATION INC. AKRON/CANTON AIRPORT NORTH CANTON OHIO 44720 FAA REPAIR STA. G25R235Y</p>				

12/06/2011

FLIGHT HOBBS 1101.8

N881SR

ENGINE

All cylinders were removed from the engine for overhaul due to two cylinders having low compression. Inspection of the cylinders by Mattituck Engine Services revealed that four of the six cylinders had cracks between the fuel injection nozzle hole and the spark plug hole. The owner choose to remove the complete engine from the aircraft for teardown inspection to check for any other issues. Engine sent to Mattituck for inspection and any needed repairs including replacement of cylinders with replacement overhauled cylinders.

Engine removal completed by :-

Rocky Mountain Sport Jets, 5430 Lauby Road, Hangar #13, North Canton, Ohio 44720

Signed: Paul Harper A&P 3128359 I.A

Date: 12/06/2011

MATTITUCK SERVICES, INC.  
FAA Repair Station T10R834B  
W.O. No. 34000



Michael Russell  
Authorized Signature

# WORK ORDER

Work Order No. 34000 Customer Rocky Mountain Sports Jet.

Part No. IO-550N Serial No. 691359

Nomenclature C.M. AIRCRAFT ENGINE

Description of work performed engine disassembled, cleaned  
inspected, repaired as necessary.  
Reassembled and test cell run

All work performed in accordance with applicable manufacturer's maintenance and parts manuals.

Date 2-21-2017 Signed Michael P. Russell

MATTITUCK SERVICES, INC.

FAA Repair Station T10R834B



## MAINTENANCE RELEASE

This Engine or Accessory or Component identified on this tag was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and with respect to the work performed, it is airworthy and approved for return to service. Pertinent details of the repair are on the reverse side of this tag.

Work Order No. 34000

Date 7-21-2012 Signed



**MATTITUCK SERVICES, INC.**

Airway Drive  
Mattituck, NY 11952  
(631) 298-8330

RS T10R834B Limited Airframe  
Powerplant 1; Limited Accessory  
Specialized Service

FORM RS-35 REV. (APRIL 2011)

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.	

03/21/2012

FLIGHT HOBBS 1101.8

N881SR

ENGINE

Re installed engine following teardown, inspection and repair by Mattituck Engine Services.

Engine installed with the following new components:-

1. 12 x Champion RHB32E Spark Plugs
2. 6 x Barry Engine Mount Isolators p/n 94001-01
3. 6 x EGT Probes p/n 16579-002
4. 1 x L/H Tail Pipe p/n 22-6150020
5. 1 x L/H Exhaust Manifold p/n 22-685002
6. 1 x Blank Plug p/n AN806-4J
7. 1 x Turbo Charger Gasket p/n 636465
8. 2 x V-Band Clamp p/n 11-1100023 (next replacement due 1601.8 Flt Hours)
9. 1 x Wastegate Cable Assembly p/n 22-5650009
10. 2 x Wategate Gasket p/n FG0120830
11. 1 x Drain Line p/n13913-002
12. 1 x Tempest Oil Filter p/n 48180-2
13. 7 qts Aeroshell 80 mineral oil
14. New Sceet Hoses various lengths and diameter

Engine installed with original alternators, magnetos, propeller and propeller governor. All work completed in accordance with Cirrus SR22 Service Manual. Engine ground runs completed. Adjusted fuel flow and manifold pressures. Second ground runs completed, all systems normal and within parameters. Flight Test required.

Engine installation completed by :-  
Rocky Mountain Sport Jets, 5430 Lauby Road, Hangar #13, North Canton, Ohio 44720

Signed: *Paul Harper* A&P 3128359 IA

Date: 3/21/2012.



Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

### Engine Service and Maintenance Record

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


Brought Forward →

#### Engine – IO-550N50 S/N 691359

AIRCRAFT: N881SR Model SR22 Serial SR22-2722 Hobbs: 1191.5 Date: 9-10-2012

- Performed 100 hr / Annual Inspection IAW FAR 43 App D and SR22 Service Manual
- Drained oil and serviced with 8 qts Aeroshell 15W-50 Oil.
- Cut open filter to inspect for contaminants. None found.
- Checked Mag timing and cleaned and gapped plugs.
- Compression: #1 76/80 #2 78/80 #3 76/80 #4 78/80 #5 78/80 #6 76/80
- R&R cracked LH tailpipe support bracket with a new bracket.
- Found excessive friction on throttle cable. Lubed center quadrant and cables. Ops check good.
- Ground run up and leak check satisfactory.

I certify this engine has been inspected IAW a 100hr / Annual inspection and was determined to be in airworthy condition.

TECHNICIAN:  DATE: 9-10-12 CERT: 2775985 IA

10-18-12 1319.5

Removed and replaced all 6 engine isolator mounts I.A.W. Cirrus m.m. 71-20  
 Re-torqued engine mount bolts to Airframe I.A.W. cirrus m.m. 71-20  
 Performed function check of TKS system. No leaks noted.

*M/W M. Oetters*

#### MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this agency under work order:

No. 12-15358 Date 10-18-12

Signed *M/W Oetters* for G-Force Aviation, Inc.

11-12-12 N881SR T.T. 1335.6

Removed and Replaced Oil Pressure Sensor with new Cirrus P/N 12635-002, S/NE 2PIØ. Ops. check good. Removed, Serviced, Reinstalled Battery. All work performed I.H.W. Cirrus SR. 22 AMM. *[Signature]* 2012/11/12

**MAINTENANCE RELEASE**

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are available at this agency under work order

No. 12-15378 Date 11-12-12

Signed *[Signature]* for  
G-Force Aviation, Inc.  
Akron/Canton Regional Airport  
Building #17  
North Canton, OH 44720  
FAA Repair Sta. G25R150C

CIRRUS SR22

ENGINE LOG

G-FORCE AVIATION INC

REGISTRATION :N881SR

5430 Lauby Rd. Bldg. # 17

Hobbs Time : 1565.7

Canton OH. 44720

Tach Time : 1406.8

PH 330-499-9790

Date : 10/17/2014

CRS# G25R150C

Changed engine oil and filter per Cirrus AMM 79-20. Cut open old filter to inspect media, no defects noted. Serviced with 8 quarts of Phillips 20-50XC oil. Removed and replaced temperature control cable per Cirrus AMM 21-60. operational checks good.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS number G25R150C under Work Order # 14-15729. I certify that this aircraft has been determined to be in airworthy condition

CRS# G25R150C

Signature *[Signature]*

Date 10/17/14

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.	

ups FOR UPS SHIPPING ONLY

12-14-12 N881SR Hobbs 1366.5 FLT. 1236.5

Performed 50 hr. Inspection  
 Changed Oil & Filter w/ 8 ats  
 15W50 and Champion 48108 Filter  
 Also cleaned gascolator screen, serviced  
 brake reservoir and tires.

Adjusted m.P. controller,  
 Rebuilt r. side brake caliper  
 Tightend Solenoid wire.

**MAINTENANCE RELEASE**  
 The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.  
 Pertinent details of the repair are on file at this agency under work order:  
 No. 12-15391 Date 12-14-12  
 Signed MVA Octave for  
 G-Force Aviation, Inc.  
 Akron/Canton Regional Airport  
 Building #17  
 North Canton, Ohio 44720

All I.A.W. Cirrus M.M.

*MVA Octave*

12-29-12 N881SR Hobbs 1368.1 FLT. 1237.5

Removed and Replaced Starter Adapter  
 I.A.W. Cirrus M.M.  
 Ran engine and leaked checked good.

*MVA Octave*

**MAINTENANCE RELEASE**  
 The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.  
 Pertinent details of the repair are on file at this agency under work order:  
 No. 12-15396 Date 12-29-12  
 Signed MVA Octave for  
 G-Force Aviation, Inc.  
 Akron/Canton Regional Airport  
 Building #17  
 North Canton, Ohio 44720  
 FAA Repair Sta. G23R235Y

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	→				

CIRRUS SR22

ENGINE LOG

G-FORCE AVIATION INC.

REGISTRATION : N881SR  
 FLT : 1265.2  
 Hobbs : 1400.0  
 Date : 1-08-2013

5430 Lauby rd. Bldg. # 17  
 N. Canton OH. 44720  
 PH. 330-526-6275  
 CRS # G25R235Y

Removed left and right Magnetos and sent to Poplar Grove to C/W SB 643B 500 hr inspection and repair. Re installed right mag and new left mag and timed to engine. Replaced ground strap from muffler to frame. Changed oil and filter. Added 8 qts of Aeroshell 15w50. Cut open filter. (no metal found) leak and operational check of mags and filters good. Readjusted temperature rheostat cable. All work done I.A.W. Cirrus Maintenance Manual.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS# G25R235Y under Work Order # 13-15428. I certify that this aircraft has been determined to be in airworthy condition.

CRS# G25R235Y      Signature       Date 3-8-13

CIRRUS SR22

ENGINE LOG

G-FORCE AVIATION INC.

REGISTRATION : N881SR  
 Hobbs Time : 1451.0  
 FH Time : 1308.0  
 Date : 08-23-2013

5430 Lauby Rd. Bldg. # 17  
 N. Canton OH. 44720  
 PH. 330-526-6275  
 CRS # G25R235Y

Performed 100 inspection per Cirrus SR22 maintenance manual and all applicable ICA's. Lubricated and serviced per checklist. All AD's researched per current ATP search engine. see AD compliance record for details. Performed compression check. 1) 68/80 2) 62/80 3) 62/80 4) 70/80 5) 70/80 6) 71/80. Drained and changed oil and filter. serviced with 8 quarts of Aeroshell 15W-50, cut open old filter and inspected media. no defects noted. Cleaned, gapped and rotated plugs.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS# G25R235Y under Work Order # 13-15509. I certify that this aircraft has been determined to be in airworthy condition.

CRS# G25R235Y      Signature       Date 8/23/13

DATE 3/24/15

CIRRUS SR22

ENGINE LOG

G-FORCE AVIATION INC

REGISTRATION: N881SR

5130 Lauby Rd. Bldg # 17

Hobbs Time: 1614.2

Canton OH 44720

Flt Time: 1441.7

PH 330-499-9790

Date: 03/24/2015

CRS# G25R150C

Changed engine oil and filter per Cirrus SR22 AMM 12-10. Cut open old filter and inspected filter media, no defects noted. Serviced engine with 4 quarts of Phillips 20W50 X C oil. Removed and reinstalled propeller assembly, for overhaul by Hartzell Service Center see 8130-3 form dated 03/20/15 for details, per Hartzell Propeller Owners manual 61-00 and Cirrus SR22 AMM 61-10 S/N FP5992B overhauled new propeller time 0.0. Performed post leak and operational check of propeller assembly. Adjusted manifold pressure controller, fuel pump aneroid adjustment screw, and propeller governor per Cirrus SR22 AMM 61-20 and Tornado Alley Turbo, Inc. Instructions for Continued Airworthiness for Cirrus Design.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS number G25R150C under Work Order # 15-15789. I certify that this aircraft has been determined to be in airworthy condition.

CRS# G25R150C

Signature 

Date 3/24/15



