

ENGINE LOG BOOK



Service Information

Consult TCM Internet Services at genuinecontinental.aero for engine related news or announcements. TCM Internet Services contains useful information for TCM engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.

If internet access is not available, contact TCM Customer Service Department at:
1-800-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:

Teledyne Continental Motors
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Teledyne Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



If a replacement log book is used in this location, this log book is a replacement, or continuation of the original. Consult the original engine log book for engine history information recorded in this log book.

Continental Motors, Inc.

Production Certificate 508

Printed: 11/19/2011

Test Date: 11/18/2011

This engine model I0550N68B, serial number 1005650

was manufactured 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.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
12/15/11	1	.2			<p align="center">Engine Log Book Entry</p> <p>Date <u>12-16-2011</u> Engine Time <u>1.2</u></p> <p>Installed the Tanis Engine Preheater S/N <u>46597</u> IAW CDC Drawing Number 25029-002</p> <p>Inspector <u></u> Jeffery K. Holter PC-538CE</p>

DLK 2601 Cessna Lane Kennesaw, GA 30144 770-427-4954
 LOG ID# 13938 31-January-2012 WO# 12020
 N83GT S/N 3824 CIRRUS SR22
~~23.1~~ FLIGHT
 AVIATION, INC. Pg 1 / 1

*** ENGINE LOG ENTRY ***

COMPLETED CIRRUS 25 HOUR DEMO INSPECTION. REMOVED COWLING. INSPECTED COWLING-NO DEFECTS NOTED AT THIS TIME. DRAINED OIL. CHECKED AND REPLACED OIL FILTER - NO METAL NOTED. OIL SAMPLE TAKEN. CLEANED AND GAPPED SPARK PLUGS. INSPECTED OIL LINES AND FITTINGS. INSPECTED AIR INTAKE DUCT FOR CONDITION. INSPECTED EXHAUST-NO CRACKS NOTED AT THIS TIME. SERVICED WITH AEROSHELL 50/100 MINERAL OIL. COMPLIED WITH SID 97-3E FUEL SET-UP. WASHED ENGINE, RAN ENGINE-ALL CHECKS NORMAL. NO OIL LEAKS NOTED.

MAINTENANCE RELEASE.
 THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#12020 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Signed DK7R795J FOR DLK/AVIATION, INC.

ENGINE MODEL: IO-550-N ENGINE S/N: 1005850 REG. NO: 83GT WORK ORDER: 14692-03-2012		Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4514 Taylor Circle Duluth, MN 55811 Phone: 218-788-3438	DATE: 3/26/2012 A/C TSN: 50.1 ENG TT: 50.1 HOBBS: 65.1
Engine Entries			
(7) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.			
(26) Adjusted Fuel Flow from 26.1gph up to 28.5 gph per SID 97-3E. Ops Check OK.			
I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.			
DATE: 3/26/2012	SIGNED: <u></u>		Work Order: 14692-03-2012
	Tim O'Reilly Certified Repair Station No. YD5R855Y		Printed by EBis 3 (datcomedia.com)

Special Inspections, Modifications and Service Bulletins

ed forward →

ENGINE MODEL: **Advanced Aircraft Services**

DATE: 6/18/2012
A/C TSN: 86.8
ENG TT: 86.8
HOBBS: 113.6

IO-550-N
ENGINE S/N: 1005650
REG. NO: N83GT
WORK ORDER:
2313-06-2012
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

Engine Entries

Removed and replaced the engine driven fuel pump. S/N installed B11GA225. Completed an SID 97-3E fuel system set up. Ops check good.... Drained the engine oil and replaced filter, Serviced engine with 7 qts of Phillips 20/50. Cut open filter and inspected, no contamination found at this time. Performed oil analysis. Ground run and leak checked good.

Maintenance Release

The aircraft and/or component(s) on N83GT was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 6/18/2012

SIGNED:

Work Order: 2313-06-2012

Richard B. Barnhart II, IA: 3124994AP

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ENGINE MODEL: **Advanced Aircraft Services**

DATE: 7/16/2012
A/C TSN: 107.6
ENG TT: 107.6
HOBBS: 139.8

IO-550-N
ENGINE S/N: 1005650
REG. NO: N83GT
WORK ORDER:
2315-06-2012
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

Engine Entries

Adjusted max take off RPM to 2700.... Cirrus 100hr Demo Care Inspection completed using the Cirrus AMM check list ch. 5-20. Compression check (x/80) 1: 72 2: 77 3: 76 4: 75 5: 77 6: 72. Drained and sampled the oil, removed and inspected the oil filter. Installed a new oil filter and serviced the engine with 7 quarts of Phillips XC 20W-50. Cleaned, gapped and tested the spark plugs. Cleaned the fuel injector nozzles. Checked the mag timing. Serviced the fuel gascolator. Inspected the exhaust system. Inspected the brake linings and brake reservoir. Inspected the NLG oleo strut. No defects noted. Final run up/leak check good. All AD's current through 2012-14.... AD 2012-10-13 starter adaptor. N/A by equipment installed.... 2012-03-06 fuel servo diaphragm. N/A not installed

Maintenance Release

The aircraft and/or component(s) on N83GT was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 7/16/2012

SIGNED:

Work Order: 2315-06-2012

Richard A. Barnhart II, IA: 3124994AP

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ENGINE MODEL: **Cirrus Design Factory Service Center**

DATE: 8/24/2012
A/C TSN: 155.8
ENG TT: 155.8
HOBBS: 195.8

IO-550-N
ENGINE S/N: 1005650
REG. NO: 83GT
WORK ORDER:
14900-08-2012
Repair Station No. YD5R855Y
4514 Taylor Cirde
Duluth, MN 55811
Phone: 218- 788-3438

Engine Entries

(7) (FLT TIME: 155.8 Hrs) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 8/24/2012

SIGNED:

Work Order: 14900-08-2012

Robbie Stevens
Certified Repair Station No. YD5R855Y

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ENGINE MODEL: IO-550-N
ENGINE S/N: 1005650
REG. NO: 83GT
WORK ORDER: 14961-10-2012

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/8/2012
A/C TSN: 211.8
ENG TT: 211.8
HOBBS: 263.3

Engine Entries

- (7) (Flight Meter: 211.8) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10
- (9) Removed, cleaned, inspected, gapped, tested, rotated, and reinstalled spark plugs IAW T.C.M. MM section 12.
- (10) Performed magneto to engine timing inspection, no discrepancies noted on inspection, work performed IAW T.C.M. MM section 12.
- (11) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 78/80, #2 76/80, #3 74/80, #4 74/80, #5 74/80, #6 72/80, master orifice reading of 46, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3.
- (14) Visually inspected nozzles and manifold valve for fuel stains, security, and proper venting. All work done IAW manufacturer's approved Instructions For Continued Airworthiness.
- (23) N/A Aircraft not equipped with TATI Turbo Normalized System.
- (28) Removed and replaced Prop governor P/N 15524-001 S/N off 110209, S/N on 120305. set T.O. RPM 2690 All work done IAW AMM 61-20.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 10/8/2012

SIGNED: 

Work Order: 14961-10-2012

Gerald Mensen
Certified Repair Station No. YD5R855Y

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1 of 1

ENGINE MODEL: IO-550-N
ENGINE S/N: 1005650
REG. NO: 83GT
WORK ORDER: 15008-10-2012

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/22/2012
A/C TSN: 243
ENG TT: 243
HOBBS: 301.1

Engine Entries

- (3) Cleaned and reconnected electrical connection at #3 EGT sensor. IAW AMM chapter 77-20.
- (5) Removed and replaced set of tuned fuel injector nozzles IAW TCM FI-02 manual P/N of injectors are as follows. all are P/N 657068A1 #1 1234, #2 2234, #3 3239, #4 4236, #5 5236, #6 6239. IAW TCM IO550-N Maintenance Manual. OPS and leak check good.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 10/22/2012

SIGNED: 

Work Order: 15008-10-2012

Joseph Sullivan
Certified Repair Station No. YD5R855Y

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4535 Airport Approach Rd. Duluth, MN 55811
(218) 727-2911
Cirrus Authorized Service Center
Cessna Authorized Service Facility

Date: 11/09/2012; Aircraft: N83GT; Type: SR22; S/N: 3824; Hobbs: 324.9; Total Time: 260.7; Engine - Type: IO-550-N, S/N: 1005650, Time: 260.7, SMOH: 260.7

Shop Order #: 12-8374

Complied with Cirrus Demo Care Program 250 Hr. inspection.

Performed inspection and operational check of engine/engine compartment IAW CDC AMM 5-20.

Changed engine oil and filter, Champion CH48108-1. Serviced engine with 8 qts. of Aeroshell 15W50.

Performed particulate inspection on old filter, none found. Obtained SOAP sample. Performed operational and leak checks, OK. All work IAW CDC AMM 12-10.

Signature: 

Steven J. LaMourea A&P 2841160



4535 Airport Approach Rd. Duluth, MN 55811
 (218) 727-2911
 Cirrus Authorized Service Center
 Cessna Authorized Service Facility

Date: 1/02/2013; Aircraft: N83GT; Type: SR22; S/N: 3824; Hobbs: 360.2; Total Time: 290.9; Engine - Type: IO-550-N, S/N: 1005650, Time: 290.9, SMOH: 290.9

Shop Order #: 12-8405

Performed 100 Hr inspection of engine IAW CDC AMM 5-20 and 5-30.

Researched engine ADs thru current bi-weekly 2012-25.

Changed engine oil and filter, Champion CH48108-1. Serviced with 8 qts of Aeroshell 15W50 engine oil.

Performed particulate inspection on filter, checked good. Ops and leak checks good. All work IAW CDC AMM.

Performed engine cylinder compression and borescope inspections, no discrepancies noted. Compressions as follows: #1 66/80, #2 70/80, #3 73/80, #4 65/80, #5 69/80, #6 72/80, master orifice reading of 44/80. Work performed IAW TCM MM and SB 03-3.

Performed engine fuel pressure setup IAW TCM SID 97-3E.

Adjusted magneto to engine timing as required IAW TCM overhaul manual.

AD 2012-10-13, starter adapter, not applicable to P/N starter adapter installed.

I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in an airworthy condition.

Signature: _____

Steven J. LaMourea A&P 2841160

ENGINE MODEL: IO-550-N
 ENGINE S/N: 1005650
 REG. NO: 83GT
 WORK ORDER:
 15193-02-2013

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
 4514 Taylor Circle
 Duluth, MN 55811
 Phone: 218- 788-3438

DATE 2/15/2013
 A/C TSN: 328
 ENG TT: 328
 HOBBS: 405.2

Engine Entries

(3) (FLT Time: 328 0) Replaced Alt 2 Bracket assembly TCM P/N 657080 IAW IO-550N OM X30568A

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 2/15/2013

SIGNED: _____

Dennis Schlieckau
 Certified Repair Station No. YD5R855Y

Work Order: 15193-02-2013

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ENGINE MODEL:
 IO-550-N
 ENGINE S/N: 1005650
 REG. NO: 83GT
 WORK ORDER:
 15228-03-2013

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
 4514 Taylor Circle
 Duluth, MN 55811
 Phone: 218- 788-3438

DATE: 3/13/2013
 A/C TSN: 354.6
 ENG TT: 354.6
 HOBBS: 426.9

Engine Entries

(2) N-number registration changed from N83GT to N61GT replaced N-number identification on aircraft, log books and placed temporary AC Form 8050-64 documentation in aircraft certificate holder.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 3/13/2013

SIGNED: _____

Gerald Mensen
 Certified Repair Station No. YD5R855Y

Work Order: 15228-03-2013

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carried forward

ENGINE MODEL: IO-550N
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER:
15232-03-2013

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3438

DATE: 3/15/2013
A/C TSN: 346.5
ENG TT: 346.5
HOBBS: 428.9

Engine Entries

(2) (Fit Time:346.5) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 3/15/2013

SIGNED:

Dennis Schlieckau
Certified Repair Station No. YD5R855Y

Work Order: 15232-03-2013

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4510 Airport Rd.
Cincinnati OH 45226
(513) 321-1200



N61GT Engine Eng. SN 1005650 Date: 5/1/2013 Flight Hours: 400.5 Hobbs: 491.9

Accomplished **400hour** Cirrus Demo Care and Maintenance Program. The following work was accomplished at this time:

1. Compressions: 1)70/80 2)68/80 3)68/80 4)68/80 5)66/80 6)64/80 master orifice 43psi.
2. Changed engine oil. Oil sample taken for analysis. Serviced oil with 8 qts of 15w-50wt Aeroshell.
3. Installed new oil filter p/n AA48108-2.
4. Inspected fuel inlet filter.
5. Installed new induction air filter p/n BA-24.
6. Installed 12 new spark plugs p/n URHB32E.
7. Performed TCM SID97-3E functional inspection of fuel injection system.
8. Performed post maintenance engine run-up and leak check. No leaks noted. Operational checks good.

I certify that this engine has been inspected and repaired in accordance with current regulations of the FAA and is approved for return to service.

Greg Herrmann 406901563IA

ENGINE MODEL: IO-550N
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER:
15513-08-2013

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3438

DATE: 8/15/2013
A/C TSN: 392.9
ENG TT: 392.9
HOBBS: 483

Engine Entries

(9) 05-2005-20.011 (FLT TIME: 440.7 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 8/15/2013

SIGNED:

Dan Trampush
Certified Repair Station No. YD5R855Y

Work Order: 15513-08-2013

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14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Service and Maintenance Record

Date: 10/18/2013; Aircraft: N61GT; Type: Cirrus SR22; Total Time: 493.80; Engine - Type: IO550N68B, S/N: 1005650, Time: 493.80

oval and Directives,

- 1) Performed 100 Hr Inspection I/AW The Cirrus SR22 Maintenance Guide
- 2) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok
- 3) Cleaned & Gapped All Spark Plugs
- 4) Performed 500 Hr Inspection I/AW The Cirrus SR22 Maintenance Guide
- 5) Installed Left Magneto P/N# 10-500556-1 S/N# D06DA022 Overhauled By Quality Aircraft Accessories, Inc Under W/O# 1170010624.002, See Form 8130, Ops Check Ok
- Installed Right Magneto P/N# 10-500556-1 S/N# D06DA034 Overhauled By Quality Aircraft Accessories, Inc Under W/O# 1170010624.001, See Form 8130, Ops Check Ok

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 13-2182 DATE: 10/18/2013

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 12/04/2013; Aircraft: N61GT; Type: Cirrus SR22; Total Time: 544.00; Engine - Type: IO550N68B, S/N: 1005650, Time: 544.00

- 1) Performed 50 Hr Inspection I/AW The Cirrus SR22 Maintenance Manual
- 2) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 13-2246 DATE: 12/04/2013

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 1/29/2014; Aircraft: N61GT; Type: Cirrus SR22; Total Time: 583.40; Engine - Type: IO550N68B, S/N: 1005650, Time: 583.40

- 1) PERFORMED ANNUAL INSPECTION
- 2) PERFORMED COMPRESSION CHECK: #1) 70/80, #2) 69/80, #3) 74/80, #4) 69/80, #5) 68/80, #6) 70/80
- 3) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK
- 4) CLEANED AND GAPPED ALL SPARK PLUGS
- 5) SECURED ALL ENGINE ROCKER BOX COVERS
- 6) PERFORMED 300 HR FUEL INJECTOR INSPECTION, REMOVED ALL FUEL INJECTORS, CLEANED, INSPECTED AND RE-INSTALLED WITH NEW "O" RINGS P/N# 80979-9, LEAK CHECK OK
- 7) INSTALLED NEW OIL QUICK DRAIN, P/N# S8250, NO LEAKS NOTED

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION UNDER FAR 43 APPENDIX "D" ANNUAL/100 HOUR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE, ALL APPLICABLE AD'S HAVE BEEN REVIEWED AND UPDATED; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2293 DATE: 01/29/2014

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



14299 SW 127th St, Suite 101
 Miami, Florida 33186
 Ph: 305-259-8291 Fx: 305-259-8302

Date: 2/28/2014; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 636.50; Engine - Type: IO550N68B, S/N: 1005650, Time: 636.50

- 1) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FORM METAL , NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK.

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2330 DATE: 02/28/2014
 SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



14299 SW 127th St, Suite 101
 Miami, Florida 33186
 Ph: 305-259-8291 Fx: 305-259-8302

Date: 4/22/2014; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 686.40; Engine - Type: IO550N68B, S/N: 1005650, Time: 686.40

- 1) Perform Cirrus 100 Hr Inspection
- 2) Drained Oil, Replaced Filter Element, Inspected Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok
- 3) Performed Compression Check : #1 72/80, #2 71/80, #3 75/80, #4 70/80, #5 67/80, #6 68/80.
- 4) Washed Engine, Treated Engine With Corrosion X
- 5) Cleaned & Gapped Spark Plugs

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2408 DATE: 04/22/2014
 SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA

ENGINE MODEL: IO-550N
 ENGINE S/N: 1005650
 REG. NO: N61GT
 WORK ORDER:
 16162-06-2014



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
 4961 Airport Road
 Duluth, MN 55811
 Phone: 218-788-3438

DATE: 6/19/2014
 A/C TSN: 726.1
 ENG TT: 726.1
 HOBBS: 880.6

Engine Entries

(9) (FLT TIME: 726.1 Hrs.) Changed engine oil and filter, Tempest oil filter P/N AA48108-2. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. All work was accomplished IAW CDC SR22 AMM 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 6/19/2014

SIGNED:

Work Order: 16162-06-2014

Gerald Mensen
 Certified Repair Station No. YD5R855Y

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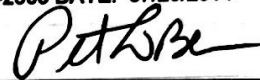
14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 7/29/2014; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 780.70; Engine - Type: IO550N68B, S/N: 1005650, Time: 780.70

- 1) PERFORMED 100 HR INSPECTION I/AW THE CIRRUS SR22 MAINTENANCE GUIDE.
- 2) PERFORMED COMPRESSION CHECK : #1 74/80, #2 73/80, #3 72/80, #4 71/80, #5 67/80, #6 73/80.
- 3) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK.
- 4) CLEANED AND GAPPED ALL SPARK PLUGS.
- 5) ADJUSTED OIL PRESSURE SENSOR. OP'S CHECK OK.

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2508 DATE: 07/29/2014
SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC, PETER J. LO BELLO AP73543036IA



14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 9/10/2014; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 826.90; Engine - Type: IO550N68B, S/N: 1005650, Time: 826.90

- 1) PERFORMED 50 HOUR INSPECTION I/AW THE CIRRUS MAINTENANCE PROGRAM.
- 2) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK.

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2565 DATE: 09/10/2014
SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



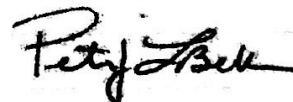
14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 11/14/2014; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 876.00; Engine - Type: IO550N68B, S/N: 1005650, Time: 876.00

- 1) PERFORMED CIRRUS 100 HR INSPECTION I/AW THE CIRRUS MAINTENANCE PROGRAM.
- 2) PERFORMED COMPRESSION CHECK : # 1 68/80, #2 68/80, #3 67/80, #4 69/80, #5 70/80, #6 70/80.
- 3) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL, NONE NOTED, SERVICED ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK.
- 4) INSTALLED NEW (12 EACH) SPARK PLUGS, P/N # URH832E.
- 5) WASHED ENGINE AND COWLINGS.
- 6) CLEANED AND TREATED ENGINE IGNITION HARNESS LEAD SPRINGS.

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2631 DATE: 11/14/2014
SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



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Date
Carried for

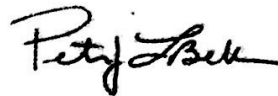

14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 12/23/2014; Aircraft: N61GT; Type: Cirrus SR22; Total Time: 919.50; Engine - Type: IO550N68B, S/N: 1005650, Time: 919.50

- 1) PERFORMED 50 HR INSPECTION.
- 2) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL , NONE NOTED. SERVICED ENGINE WITH PHILLIPS 20W50 OIL, LEAK CHECK OK.

THE ENGINE 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 UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 14-2689 DATE: 12/23/2014
SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA




14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 2/06/2015; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 964.90; Engine - Type: IO550N68B, S/N: 1005650, Time: 964.90

- 1) Performed Annual/100 Hr Inspection
- 2) Compression Check: #1) 65/80, #2) 68/80, #3) 64/80, #4) 63/80, #5) 64/80, #6) 68/80
- 3) Drained Oil, Replaced Filter Element, Inspected Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok
- 4) Took Oil Sample, Filled Out Form
- 5) Cleaned & Gapped All Spark Plugs
- 6) Washed Engine, Applied Corrosion X Treatment
- 7) AD 2014-05-29 To Prevent The Separation Of The Cylinder Head Resulting In Damage To The Engine - D/N/A - No SAP Cylinder Assemblies Installed

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION UNDER FAR 43 APPENDIX "D" ANNUAL/100 HOUR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE, ALL APPLICABLE AD'S HAVE BEEN REVIEWED AND UPDATED; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 15-2722 DATE: 02/06/2015
SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



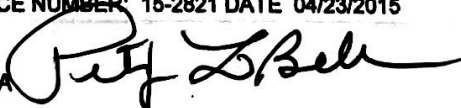

14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 4/23/2015; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 1010.50; Engine - Type: IO550N68B, S/N: 1005650, Time: 1010.50

- 1) Performed 50 Inspection I/A/W The Cirrus SR22 Maintenance Guide
- 2) Drained Oil, Replaced Filter Element, Inspected Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok
- 3) Took Oil Sample, Filled Out Form
- 4) Installed Left & Right Magnetos P/N# 10-500556-1 S/N#s D04EA052 And D04EA056 Overhauled By Quality Aircraft Accessories, Inc Under W/O#s 003257 And 003256, See Form 8130's, Ops Check Ok
- 5) Installed New Sky-Tec Starter P/N# 657596 S/N# 4C3-081542, By Continental Motors, Inc Under W/O# 447792 0000167325, Form Tracking# 392201, See Form 8130, Ops Check Ok
- 6) Installed New Starter Adapter P/N# 642063A12 With Gasket P/N# 653470, Ops Check Ok
- 7) Performed Engine Filter Inspection, Removed Oil Pressure Housing & Assy, Cleaned & Re-Installed, Ops Check Ok - Cold Oil Pressure At 1000 RPM Is 54 psi

THE ENGINE 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 AIRFRAME ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER: 15-2821 DATE 04/23/2015
SIGNATURE OF AUTHORIZED REPRESENTATIVE

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA



ADVANCED AIRCRAFT **Deechcraft**
 14299 SW 127th St, Suite 101
 Miami, Florida 33186
 Ph: 305-259-8291 Fx: 305-259-8302

Date: 8/12/2015; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 1063.90; Engine - Type: IO550N68B, S/N: 1005650, Time: 1063.90

Carrie

- 1) Performed 100 Hr Inspection I/AW The Cirrus SR22 Maintenance Guide
- 2) Drained Oil, Replaced Filter Element, Inspected Old Filter Element For Metal, None Noted, Serviced Engine With Phillips 20W50 Oil, Leak Check Ok

THE ENGINE 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 AIRFRAME ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER: 15-2878 DATE 06/12/2015
 SIGNATURE OF AUTHORIZED REPRESENTATIVE

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA

Peter J. Lo Bello


ADVANCED AIRCRAFT **Deechcraft**
 14299 SW 127th St, Suite 101
 Miami, Florida 33186
 Ph: 305-259-8291 Fx: 305-259-8302

Date: 7/08/2015; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 1073.50; Engine - Type: IO550N68B, S/N: 1005650, Time: 1073.50

- 1) Removed TCM IO-550N68B Engine S/N# 1005650 From Cirrus SR22 N61GT S/N# 3824 For Prop Strike Inspection

THE ENGINE IDENTIFIED ABOVE WAS REMOVED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS NOT APPROVED FOR RETURN TO SERVICE, PERTINENT DETAILS OF THE AIRFRAME ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER: 15-2900 DATE 07/08/2015
 SIGNATURE OF AUTHORIZED REPRESENTATIVE

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP73543036IA

DATE:	ENGINE MODEL:	ENGINE S/N:	ENGINE T.T. S.M.O.H.
September 22, 2015	IO550N68B	1005650	1073.5
 Continental Motors, Inc. Continental Motor Services, Inc. Fairhope, Alabama			
<p>This engine was delivered to Continental Motors Services, Inc. for inspection due to a propeller strike. Engine disassembled and inspected in accordance with CMI SB 96-11B. The following serialized items were installed as replacements: R/H Magneto S/N D14LA041R and L/H Magneto S/N DA14KA179R, Camshaft S/N 104540 #2 cyl AC15GB520, #3 cyl AC15GB455, #4 cyl AC15GB463. All remaining Cylinders were disassembled, cleaned, and repaired as required for serviceable condition. Engine assembled in accordance with CMI Maintenance Manual M16, revision date July 2015, using new seals, gaskets and "O" rings. New connecting rod bolts, nuts and bearings and crankshaft bolts and bearings installed. Applicable Service Bulletins and Airworthiness Directives have been complied with. This engine has been tested in accordance with procedures listed in Maintenance manual M16 and has been accepted. I certify that this engine has been inspected and repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility. Work Order ES-1333</p>			
<p>Complied with: M87-23, M89-7R1, M90-13, M93-4, M93-8, SB03-3, SB00-3A, SB04-10, SB04-11, SB07-1, SB08-13, SB08-4, SB09-14, SB95-7, SB96-11B, SB96-12, SB97-6B, SID97-4F, SIL93-15, SIL95-5, SIL99-2C, MSB96-10B, MSB94-8D, SB653, M72-17-R1, SB13-6A, SB11-2, SB11-3, SB13-8, SB97-11, SID96-6, SB15-3, AND AD 99-19-01.</p>			
MECHANIC:	9CER853B	AUTHORIZATION:	9CER853B
<i>Paul Adams</i>		<i>Charles E. Baygett</i>	

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ectives,

Date: 10/07/2015; Aircraft: N61GT; Type: Cirrus SR22; S/N: 3824; Total Time: 1073.50; Engine - Type: IO550N68B, S/N: 1005650, SMOH: 1073.50

- 1) Installed TCM IO-550 N(68) Engine, S/N# 1005650 Continued Time Repair Performed By Continental Motors Services, Inc Under W/O# ES-1333, Form Tracking# 1369 See Logbook Entry And Form 8130 By Continental Motors Services, Inc, Dated 9/22/2015, At TTSMOH: 1073.5
 2) Serviced Engine With Phillips 20W50 Mineral Oil, And Oil Filter P/N# AA48108-2
 3) Ground Operational Checks Ok

THE ENGINE 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 AIRFRAME ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER: 15-2895 DATE 10/07/2015
 SIGNATURE OF AUTHORIZED REPRESENTATIVE

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP735430361A

Peter J. Lo Bello

ENGINE MODEL:
 IO-550-N68B
 ENGINE S/N: 1005650
 REG. NO: 61GT
 WORK ORDER: 18301



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

DATE: 2/16/2016
 A/C TSN: 1162.2
 ENG TT: 1162.2
 Flight Hours: 1162.2

Engine Entries

I certify that this engine has been Inspected per Cirrus 100hr/Annual Checklist and has been determined to be in AIRWORTHY CONDITION. ---Performed engine compression check 1) 74/80 2) 75/80 3) 72/80 4) 73/80 5) 74/80 6) 72/80 ---Replaced oil with 8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good. ---Checked & Set fuel flow IAW TCM SID 97-3E ---Removed Alt #2 s/n H-N100387 & Installed New Alt #2 s/n H-P101575. Adjusted Alt #2 belt tension per TCM MM. Function test checked good.

Maintenance Release

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

DATE: 2/16/2016

SIGNED:

Kim Davidson

Work Order: 18301

Kim Davidson
 Certified Repair Station No. YYKR678L

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ENGINE MODEL:
 IO-550-N68B
 ENGINE S/N: 1005650
 REG. NO: 61GT
 WORK ORDER: 18417



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

DATE: 4/1/2016
 A/C TSN: 1232
 ENG TT: 1232
 Flight Hours: 1232

Engine Entries

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

Maintenance Release

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

DATE: 4/1/2016

SIGNED:

Kim Davidson

Work Order: 18417

Kim Davidson
 Certified Repair Station No. YYKR678L

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Carried forward

ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 18485



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

DATE: 5/20/2016
A/C TSN: 1275.2
ENG TT: 113
HOBBS: 1275.2

Engine Entries

I certify that this Engine has been Inspected in accordance with a 100hr Inspection per FAR Part 43 Appendix 'D' and has been determined to be in AIRWORTHY CONDITION.----Performed engine compression check,, 1) 72/80 2) 76/80 3) 74/80 4) 72/80 5) 75/80 6) 74/80.----Replaced oil with 8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good.----Checked exhaust system for security & condition. C/W pressure check of exhaust system per Cirrus MM.----C/W Visual Inspection of engine compartment hose's, clamps, engine sensors and baffling----C/W 100hr Replacement of Engine Air Filter w/new.----Replace all spark plugs w/new.

Maintenance Release

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

DATE: 5/20/2016

SIGNED:

Work Order: 18485

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 18601



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

DATE: 7/19/2016
A/C TSN: 1331.4
ENG TT: 1331.4
HOBBS: 1331.4

Engine Entries

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

Maintenance Release

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

DATE: 7/19/2016

SIGNED:

Work Order: 18601

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 18646



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

DATE: 8/31/2016
A/C TSN: 1380.6
ENG TT: 1380.6
HOBBS: 1380.6

Engine Entries

I certify that this Engine has been Inspected in accordance with a 100Hr Inspection per FAR Part 43 Appendix 'D' and has been determined to be in AIRWORTHY CONDITION.----Performed engine compression check 1) 62/80 2) 70/80 3) 74/80 4) 64/80 5) 70/80 6) 64/80----Replaced oil with 8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good.----Checked exhaust system for security & condition. C/W pressure check of exhaust system per Cirrus MM.----C/W Visual Inspection of engine compartment hose's, clamps, engine sensors and baffling.

Maintenance Release

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

DATE: 8/31/2016

SIGNED:

Work Order: 18646

Kim Davidson
Certified Repair Station No. YYKR678L

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Hours

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 18821



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

DATE: 11/8/2016
A/C TSN: 1438.1
ENG TT: 1438.1
FLIGHTTIME: 1438.1

Engine Entries

Replaced oil w/8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up and no leaks noted.----Removed Alt #1 s/n H-N070012 & Installed Repaired Alt #1 s/n H-L011181. Replaced Alt #1 gasket w/new. Function test checked good.

Maintenance Release

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

DATE: 11/8/2016

SIGNED:

Work Order: 18821

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 18883



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

DATE: 12/16/2016
A/C TSN: 1465.8
ENG TT: 1465.8
FLIGHTTIME: 1465.8

Engine Entries

I certify that this Engine has been Inspected in accordance with a 100Hr Inspection per FAR Part 43 Appendix 'D' and has been determined to be in AIRWORTHY CONDITION.----Performed engine compression check 1) 68/80 2) 64/80 3) 68/80 4) 61/80 5) 68/80 6) 62/80----Replaced oil with 8qts of Aeroshell 100W Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good.----Checked exhaust system for security & condition. C/W pressure check of exhaust system per Cirrus MM.----C/W Visual Inspection of engine compartment hose's, clamps, engine sensors and baffling.----Reinstalled LH magneto s/n D14LA041R & RH magneto s/n D14KA179R after 500Hr Inspection by Aero Accessories. Timed both magnetos to engine per TCM MSB94-8D. Runup and leak test checked good.

Maintenance Release

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

DATE: 12/16/2016

SIGNED:

Work Order: 18883

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 18922



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

DATE: 2/28/2017
A/C TSN: 1511.3
ENG TT: 1511.3
FLIGHTTIME: 1511.3

Engine Entries

I certify that this Engine has been Inspected in accordance with a 100hr Inspection/Cirrus Annual Checklist and has been determined to be in AIRWORTHY CONDITION.----Performed engine compression check 1) 70/80 2) 72/80 3) 74/80 4) 64/80 5) 72/80 6) 52/80----Replaced oil with 8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good.----C/W Continental Motors SID 05-7 Fuel Injection Nozzles Servicing & Cleaning. Reinstalled fuel nozzles and leak test checked good.

Maintenance Release:

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

DATE: 2/28/2017

SIGNED:

Work Order: 18922

Kim Davidson
Certified Repair Station No. YYKR678L

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Hours

Forward

ENGINE MODEL: IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19057



Kim Davidson Aviation, Inc.

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

DATE: 4/4/2017
A/C TSN: 1558.9
ENG TT: 1558.9
FLIGHTTIME: 1558.9

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Directi

Engine Entries

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

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

DATE: 4/4/2017 SIGNED: *Kim Davidson* Work Order: 49057
Kim Davidson Certified Repair Station No. YYKR678L Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19122



Kim Davidson Aviation, Inc.

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

DATE: 5/25/2017
A/C TSN: 1615.9
ENG TT: 1615.9
FLIGHTTIME: 1615.9

Engine Entries

I certify that this Engine has been Inspected in accordance with a 100Hr Inspection per FAR Part 43 Appendix 'D' and has been determined to be in AIRWORTHY CONDITION.---Performed engine compression check 1) 66/80 2) 72/80 3) 68/80 4) 70/80 5) 70/80 6) 48/80 Master Orifice 44 psi---Replaced oil with 8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good. ---Checked exhaust system for security & condition. C/W pressure check of exhaust system per Cirrus MM. ---C/W Visual Inspection of engine compartment hose's, clamps, engine sensors and baffling.---Replaced Cyl #3 top spark plug w/new.

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

DATE: 5/25/2017 SIGNED: *Kim Davidson* Work Order: 19122
Kim Davidson Certified Repair Station No. YYKR678L Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19193



Kim Davidson Aviation, Inc.

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

DATE: 7/13/2017
A/C TSN: 1653.3
ENG TT: 1653.3
FLIGHTTIME: 1653.3

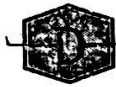
Engine Entries

Replaced oil w/8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up and no leaks noted.---Replaced oil pressure sensor w/new. Leak test checked good. Adjusted oil pump pressure per TCM MM---Installed Overhaul Exchange Starter Adapter Assy s/n GE71117. Replaced starter adapter gasket w/new. Reinstalled original starter and function test checked good.

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

DATE: 7/13/2017 SIGNED: *Kim Davidson* Work Order: 19193
Kim Davidson Certified Repair Station No. YYKR678L Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IC-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19287



Kim Davidson Aviation, Inc.

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

DATE: 8/29/2017
A/C TSN: 1718.5
ENG TT: 1718.5
FLIGHTTIME: 1718.5

Engine Entries

I certify that this Engine has been Inspected in accordance with a 100Hr Inspection per FAR Part 43 Appendix 'D' and has been determined to be in AIRWORTHY CONDITION.----Performed engine compression check 1) 64/80 2) 70/80 3) 64/80 4) 64/80 5) 64/80 6) 62/80 Master Orifice 45 psi----Replaced oil with 8qts of Aeroshell 100W. Oil analysis taken. Removed oil filter, cut open and inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good.----Checked exhaust system for security & condition. C/W pressure check of exhaust system per Cirrus MM.----C/W Visual Inspection of engine compartment hose's, clamps, engine sensors and baffling.----C/W Visual Inspection of induction system and alternate air door for operation----C/W 100hr Replacement of engine air filter w/new.----Replaced all spark plugs w/new Tempest URHB32E spark plugs.----Adjusted & Timed LH magneto to engine per TCM MSB94-8D. Runup and leak test checked good.

Maintenance Release:

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

DATE: 8/29/2017

SIGNED:

Work Order: 19287

Kim Davidson
Certified Repair Station No. YYKR678L

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19384



Kim Davidson Aviation, Inc.

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

DATE: 10/20/2017
A/C TSN: 1753.3
ENG TT: 1753.3
FLIGHTTIME: 1753.3

Engine Entries

Replaced Alt #2 Belt w/new. Adjusted Alt #2 belt tension per TCM MM. Function test checked good.
----Reinstalled engine spinner baffle after Weld Repair by Aero Welding.

Maintenance Release:

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

DATE: 10/20/2017

SIGNED:

Work Order: 19384

Kim Davidson
Certified Repair Station No. YYKR678L

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19369



Kim Davidson Aviation, Inc.

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

DATE: 10/10/2017
A/C TSN: 1753.3
ENG TT: 1753.3
FLIGHTTIME: 1753.3

Engine Entries

Removed Prop PHC-J3Y1F-1N s/n NJ542B and Installed Loaner Hartzell Prop PHC-J3YF-1RF per Hartzell MM. Updated W&B in aircraft POH.

Maintenance Release:

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

DATE: 10/10/2017

SIGNED:

Work Order: 19369

Kim Davidson
Certified Repair Station No. YYKR678L

Printed by EBis 3 (datcomedia.com)

ried forward

ENGINE MODEL:
10-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19476



Kim Davidson Aviation, Inc.

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

DATE: 11/28/2017
A/C TSN: 1783.5
ENG TT: 1783.5
FLIGHTTIME: 1783.5

Engine Entries

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

Maintenance Release:

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

DATE: 11/26/2017

SIGNED: *Kim Davidson*

Work Order: 19476

Kim Davidson
Certified Repair Station No. YYKR678L

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 3824
REG. NO: 61GT
WORK ORDER: 19573



Kim Davidson Aviation, Inc.

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

DATE: 2/19/2018
A/C TSN: 1829
FLIGHTTIME: 1829

Airframe Entries

I certify that this Aircraft has been Inspected per Cirrus Annual Checklist and has been determined to be in AIRWORTHY CONDITION.---C/W Annual/100hr Cleaning & Servicing of Fuel Gascolator. Replaced gascolator seal & O-ring w/new. Leak test checked good.---C/W Battery Capacity Test per Battery ICA. Found to be at 100%.---C/W Am-Safe Airbag Restraint Diagnostic Test. Checked good at this time.---Researched All AD's through Bi-weekly issue 2018-03.---Reinstalled ME406 ELT serial# 197-10123 after Repair by Artex/ACR Electronics. Performed 12mo ELT Test & Inspection IAW FAR 91.207(d). FAR 91.207 Next Due 2/2019. ELT Battery Expires 9/2018.---C/W Inspection of Tanis Engine PreHeat System per Tanis Heater Instructions for Continued Airworthiness Doc# TCA0001 Rev.B.---C/W AirWolf Air Oil Separator Instructions For Continued Airworthiness. Inspected & Cleaned per AirWolf Instructions. Next Due 2/2019 or 1929.0 Flight Meter.---Replaced AirWolf Air Oil Separator top half of cap w/new. Replaced oil drain hose w/new, from oil separator to #2 cyl push rod tube. Leak test checked good.---C/W 6.Yr Replacement of CAPS Line Cutters IAW Cirrus Maintenance Manual. Installed s/n 12287 & s/n 12347. CAPS Line Cutters Next Due 1/2024.---I certify that the Altimeter System and Altitude Reporting Equipment has been tested IAW FAR 91.411 and found to comply with FAR 43 Appendix 'E' and that the ATC Transponder has been tested IAW FAR 91.413 and found to comply with FAR 43 Appendix 'F'. Tested to 20K feet. FAR's Next Due 2/2020.---C/W SB 2x-32-22 R1 Nose Landing Gear Strut Assembly Inspection per Cirrus Instructions. Dye Penetrant Inspection checked good. NLG Inspection Next Due @ 1879.0 Flight Meter.---Replaced LH exhaust muffler w/new PMA Muffler from Aerospace Welding MLPS Inc. Replaced LH tail pipe muffler clamps, clamp bolts, ball joint springs, ball joints, bolts & hardware w/new.---Reinstalled LH Aft exhaust collector after Weld Repair by Aero Welding. Replaced header to collector attach bolt & spring w/new.---Fabricated & Installed sheet metal patch on RH side engine baffle.---Replaced RH brake caliper o-rings w/new. Bled brakes & Installed new Brake Temp stickers. RH brake caliper o-rings Next Due 2/2020 or On Condition.---Replaced LH main tire w/new 15x6.00-6 6Ply Goodyear FCIII. Cleaned & Repacked wheel bearings. Reinstalled LH main wheel.---Replaced cabin fire extinguisher w/new.---Reattached RH exhaust heat shield to bottom fuselage per Cirrus MM.---Replaced LH & RH elevator "No Push" placards w/new. Replaced rudder "No Push" placards w/new.---Installed new "Grab Here" placards on co-pilot interior bolster panel.

Maintenance Release:

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

DATE: 2/19/2018

SIGNED: *Kim Davidson*

Work Order: 19573

Kim Davidson
Certified Repair Station No. YYKR678L

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ward

ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19573



Kim Davidson Aviation, Inc.

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

DATE: 2/19/2018
A/C TSN: 1829
ENG TT: 1829
FLIGHTTIME: 1829

Engine Entries

I certify that this Engine has been inspected in accordance with a 100hr Inspection/Cirrus Annual Inspection Checklist and has been determined to be in AIRWORTHY CONDITION.----Performed engine compression check 1) 66/80 2) 70/80 3) 68/80 4) 66/80 5) 64/80 6) 30/80 Master Orifice 44 psi----Replaced oil w/8 qts of Aeroshell 100 Mineral oil. Blackstone oil sample taken. Removed oil filter, cut open & inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up & leak test checked good.---C/W Annual/100hr Replacement of Engine Air Filter w/new.---C/W Inspection of Tanis Engine PreHeat System per Tanis Heater Instructions for Continued Airworthiness Doc# TCA0001 Rev.B.---C/W AirWolf Air Oil Separator Instructions For Continued Airworthiness. Inspected & Cleaned per AirWolf Instructions. Next Due 2/2019 or 1929.0 Flight Meter.---C/W TCM SID 05-7 Fuel Injection Nozzles Servicing & Cleaning. Reinstalled fuel nozzles and leak test checked good.---Removed #6 Cylinder & Installed Overhaul Exchange #6 Cyl. by Pacific Continental Engines. Replaced piston pin w/new. Replaced exhaust/intake gaskets, fuel nozzle O-rings & seals w/new. Installed cylinder per TCM MM instructions. See 8130 Cert for Part Release by PCE. Leak test checked good.---Reinstalled Alt #1 s/n H-L011181 after 500Hr Inspection & Repair by Aero Accessories. Replaced Alt#1 gasket w/new. Function test checked good.---Removed Oil Cooler s/n L15-12463-377 and Installed Overhaul Exchange Oil Cooler s/n B04-2147-867. Replaced oil cooler gasket w/new. Re-Installed existing Vernatherm & Oil Temp Sensor w/new gaskets. Leak test checked good.---Replaced LH exhaust muffler w/new PMA Muffler from Aerospace Welding MLPS Inc. Replaced LH tail pipe muffler clamps, clamp bolts, ball joint springs, ball joints bolts & hardware w/new. ---Reinstalled LH Aft exhaust collector after Weld Repair by Aero Welding. Replaced header to collector attach bolt & spring w/new.

Maintenance Release:

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

DATE: 2/19/2018

SIGNED:

Work Order: 10573

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19676



Kim Davidson Aviation, Inc.

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

DATE: 3/28/2018
A/C TSN: 1855.2
ENG TT: 1855.2
FLIGHTTIME: 1855.2

Engine Entries

Replaced oil with 8 qts of Aeroshell 100W. Blackstone oil sample taken. Removed oil filter, cut open, inspected for metal. No metal found at this time. Replaced oil filter w/new. Run up and no leaks noted. ---Removed Oil Cooler s/n B04-2147-867. Installed Overhaul Exchange Oil Cooler s/n I15-12463-377. Replaced oil cooler gasket w/new. Re-Installed existing Vernatherm & Oil Temp Sensor w/new gaskets. Leak test checked good.

Maintenance Release:

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

DATE: 3/28/2018

SIGNED:

Work Order: 19676

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19722



Kim Davidson Aviation, Inc.

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

DATE: 5/17/2018
A/C TSN: 1879.5
ENG TT: 1879.5
FLIGHTTIME: 1879.5

Engine Entries

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

Maintenance Release:

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

DATE: 5/17/2018

SIGNED: 

Work Order: 19722

Kim Davidson
Certified Repair Station No. YYKR678L

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ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19822



Kim Davidson Aviation, Inc.

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

DATE: 6/12/2018
A/C TSN: 1888.9
ENG TT: 1888.9
FLIGHTTIME: 1888.9

Engine Entries

Tightened oil vernatherm. Replaced AirWolf Air Oil Separator o-ring w/new. Solvent cleaned engine & cowl. Run up and leak test checked good.

Maintenance Release:

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

DATE: 6/12/2018

SIGNED: 

Work Order: 19822

Kim Davidson
Certified Repair Station No. YYKR678L

Printed by EBis 3 (datcomedia.com)

Carried forward

ENGINE MODEL:
IO-550-N68B
ENGINE S/N: 1005650
REG. NO: 61GT
WORK ORDER: 19847



Kim Davidson Aviation, Inc.

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

DATE: 6/25/2018
A/C TSN: 1890.4
ENG TT: 1890.4
FLIGHTTIME: 1890.4

Engine Entries

Replaced #2 exhaust push rod tube seals w/new.---Reinstalled oil filler tube after Weld Repair by Aero Welding. Replaced oil filler tube gaskets & o-rings w/new. Leal check test good.

Maintenance Release:

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

DATE: 6/25/2018

SIGNED:

Work Order: 19847

Kim Davidson
Certified Repair Station No. YYKR678L

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**COASTAL VALLEY
Aviation Inc.**

(805)928-7701 • www.cvamx.com

Continental IO 550N SN 1005650 FLH: 1908.3

ENGINE
DATE: 7/26/2018
N61GT

1. Changed oil & filter, serviced w/Phillips 20W-50
2. Installed new fuel pump PN 655921-4A1, SN B14EA262 and set fuel flow IAW TCM M-O, SID 97-3F
3. Adjusted idle mixture

Richard Holder A&P 33407194A

Sept 7, 2018 N61GT S/N: 3824 Flight: 1936.2 Hobbs:2523.7
Continental IO-550-N (38) S/N: 1005650

1. Ran engine, drained oil and removed filter.
2. Cut open and inspected filter with no defects noted.
3. Replaced Oil Filter with new Tempest (P/N: 48108-2).
4. Serviced with 7 quarts of PHILLIPS 66 X/C AVIATION OIL 20W50

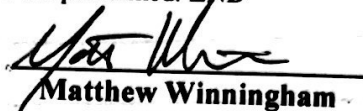
Leak checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END

Michael A. Sullivan
AP 3103992
Box Aviation, Inc.

September 12, 2018 N61GT S/N: 3824 Flight: 1937.7 Hobbs: 2526.1

1. Removed and reinstalled Bolster Panels on instrument panel after paint touch up.
2. Removed and reinstalled MFD to facilitate other maintenance.


Operational checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this AIRFRAME was found to be in an airworthy condition and is approved for return to service for the work performed. END


Matthew Winningham
AP3771888
Box Aviation, Inc.

November 2, 2018 N61GT S/N: 3824 Hobbs: 2556.9 Flight: 1963.3

1. Ran engine, drained oil and removed filter.
2. Cut open and inspected filter with no defects noted.
3. Replaced Oil Filter with new Tempest (P/N: AA48109).
4. Serviced with 7 quarts of Phillips 66 (P/N: 20W-50).

Leak checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END

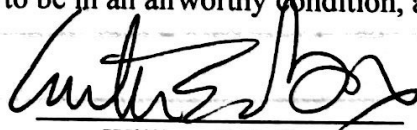

Matthew P. Winningham
AP 3771888
Box Aviation, Inc.

March 15, 2019 N61GT SN: 3824 Hobbs: 2,631.6 Flt: 2,019.5
Continental IO-550-N-68B S/N: 1005650 SMOH: 2,019.5 ETT: 2,019.5

Complied with Annual Inspection in accordance with the manufacture's maintenance manual.

1. Performed compression checks - #1 78/80, #2 62/80, #3 72/80, #4 69/80, #5 76/80, #6 79/80. OR: 48/80
2. Removed, cleaned, inspected, gapped and reinstalled Spark Plugs.
3. Replaced Air Intake Filter with new BA24 element..

Ran engine, operational and leak check performed with no defects at this time. All previous ADs complied with. Logbook research found no discrepancies. I certify this ENGINE was inspected in accordance with an Annual Inspection, found to be in an airworthy condition, and is approved for return to service. END


William Erik Box
AP3554514IA
Box Aviation, Inc.

forward

April 22, 2019 N61GT S/N: 3824 Hobbs: 2660.9 Flight: 2054.2

1. Ran engine, drained oil and removed filter.
2. Cut open and inspected filter with no defects noted.
3. Replaced Oil Filter with new Tempest (P/N: AA48109).
4. Serviced with 7 quarts of Phillips 66 (P/N: 20W-50).

Leak checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END

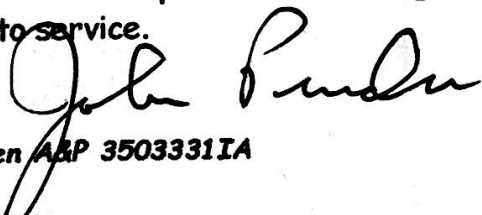


Michael Sullivan
AP 3103992
Box Aviation, Inc.



06-14-2019 Cirrus SR 22 S/N 3824 FT 2067.6 hrs N61GT

Inspected engine following low pressure indication. Filter cut and inspected. No sign of engine damage. 5Qts of Phillips XC oil added. Compression checked and found adequate with no valve leakage but some ring blow by. Air/Oil separator disassembled and inspected for blockage with no defects noted. Aircraft returned to service.

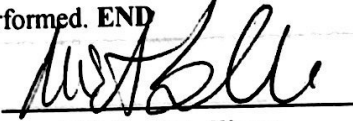


John Pruden AIP 3503331IA

June 21, 2019 N61GT S/N: 3824 Flight: 2070.3

1. Ran engine, drained oil and removed filter.
2. Cut open and inspected filter with no defects noted.
3. Replaced Oil Filter with new Tempest (P/N: AA48109).
4. Serviced with 7 quarts of Phillips 66 (P/N: 20W-50).
5. Performed Compression Checks #1-71/80 #2-70/80 #3-76/80 #4-73/80 #5-76/80 #6-78/80

Leak checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END



Michael Sullivan
AP 3103992
Box Aviation, Inc.

Carrier

Southern Sky Aviation, LLC

4725 65TH Place North, Birmingham, AL 35206 Phone: 205.703.9737

Reg: N61GT Model: Continental IO-550-N S/N: 1005650 AFTT: 2,105.9

WO# MTX-3004

ENGINE LOG ENTRY

1. REMOVED COWLING, #2 ALT COVER AND BELT. REMOVED PROPELLER, AND NOSE SEAL RETAINER RING. FOUND THAT NOSE CRANK SEAL WAS NOT LEAKING. REINSTALLED NOSE SEAL RETAINER RING. REINSTALLED PROPELLER WITH NEW HARTZELL PN C-3317-228. AND TORQUED TO 70 FT LBS. REINSTALLED ALT BELT AND COVER. REINSTALLED COWLING. PERFORMED OP CHECK AND FOUND NO LEAKS AT THIS TIME. ALL WORK DONE IAW CIRRUS AMM 61-10, IPC 61-10-01.
2. DISCONNECTED OIL PRESSURE SENSOR CONNECTOR, CLEANED WITH CONTACT CLEANER AND REINSTALLED.
3. INSPECTED BAFFLES INSTALLATION AROUND CYLINDERS AND FOUND TO BE CORRECT IAW CIRRUS SR22/SR22T AMM CH. 71-00.
4. PERFORMED GROUND RUN. OPERATIONAL AND LEAK CHECKS GOOD.

I certify that this aircraft, airframe, aircraft engine, propeller, or appliance has been inspected and repaired in accordance with current Federal Aviation Administration regulations and is approved for return to service.

Authorized Signature:  Date: 07/12/2019
 Richard Hudgins
 CRS: 6KYR204D

Southern Sky Aviation, LLC

4725 65TH Place North, Birmingham, AL 35206 Phone: 205.703.9737

Reg: N61GT Model: Continental IO-550-N S/N: 1005650 AFTT: 2,105.9

WO# MTX-3004

ENGINE LOG ENTRY

1. REMOVED COWLING, #2 ALT COVER AND BELT. REMOVED PROPELLER, AND NOSE SEAL RETAINER RING. FOUND THAT NOSE CRANK SEAL WAS NOT LEAKING. REINSTALLED NOSE SEAL RETAINER RING. REINSTALLED PROPELLER WITH NEW HARTZELL PN C-3317-228. AND TORQUED TO 70 FT LBS. REINSTALLED ALT BELT AND COVER. REINSTALLED COWLING. PERFORMED OP CHECK AND FOUND NO LEAKS AT THIS TIME. ALL WORK DONE IAW CIRRUS AMM 61-10, IPC 61-10-01.
2. DISCONNECTED OIL PRESSURE SENSOR CONNECTOR, CLEANED WITH CONTACT CLEANER AND REINSTALLED.
3. INSPECTED BAFFLES INSTALLATION AROUND CYLINDERS AND FOUND TO BE CORRECT IAW CIRRUS SR22/SR22T AMM CH. 71-00.
4. PERFORMED GROUND RUN. OPERATIONAL AND LEAK CHECKS GOOD.


I certify that this aircraft, airframe, aircraft engine, propeller, or appliance has been inspected and repaired in accordance with current Federal Aviation Administration regulations and is approved for return to service.

Authorized Signature:  Date: 07/12/2019
 Richard Hudgins
 CRS: 6KYR204D

July 31, 2019 N61GT S/N: 3824 Flight: 2136.2

1. Ran engine, drained oil and removed filter.
2. Cut open and inspected filter with no defects noted.
3. Replaced Oil Filter with new Tempest (P/N: AA48109).
4. Serviced with 7 quarts of Phillips 66 (P/N: 20W-50).


Leak checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END


 Matthew Winningham
 AP3771888
 Box Aviation, Inc.

August 20, 2019 N61GT S/N: 3824 Flight: 2156.1 Hobbs: 2797.5

1. Replaced Right Main Landing Gear Brake Linings with new Rapco (P/N: RA66-06200).
2. Removed and reinstalled Engine Cowling to facilitate other maintenance.


Operational checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this AIRFRAME was found to be in an airworthy condition and is approved for return to service for the work performed. END


Matthew Winningham
AP3771888
Box Aviation, Inc.

August 20, 2019 N61GT S/N: 3824 Flight: 2156.1 Hobbs: 2797.5

1. Removed, cleaned, inspected, gapped and reinstalled Top Spark Plugs to facilitate other maintenance.
2. Performed Cylinder Compression Checks Orifice: 45/80
#1: 75/80 #2: 52/80 #3: 51/80 #4: 50/80 #5: 68/80 #6 72/80
3. Replaced Air/Oil Separator Gasket with new Air Wolf (P/N: W-2003)


Operational checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END


Matthew Winningham
AP3771888
Box Aviation, Inc.

November 6, 2019 N61GT S/N: 3824 Flight: 2202.2 Hobbs: 2853.2

1. Removed and reinstalled Top Spark Plugs to facilitate other maintenance.
2. Performed Cylinder Compression Checks:
#1: 75/80 #2: 74/80 #3: 74/80 #4: 75/80 #5: 78/80 #6 79/80

Operational checks performed with no defects noted at this time. All maintenance performed in accordance with the manufacturer's maintenance manual and the AC 43.13. I certify this ENGINE was found to be in an airworthy condition and is approved for return to service for the work performed. END


Matthew Winningham
AP3771888
Box Aviation, Inc.

Southern Sky Aviation, LLC

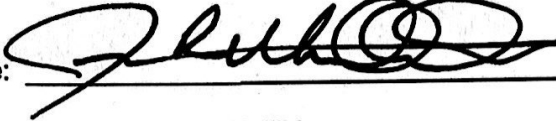
4255 Eastlake Blvd. Birmingham, AL 35217 Phone: 205.703.9737

Reg: N61GT Model: IO-550-N S/N: 1005650 Flight: 2212.6 Hobbs: 2868.7 Date: 12/24/2019

**WO# MTX-3747
ENGINE LOG ENTRY
CRS# 6KYR204D**

- 1) DRAINED OIL, REMOVED, INSPECTED AND REPLACED OIL FILTER WITH NEW CH48108-1 FILTER. NO METAL NOTED. FILLED WITH 7 QTS PHILIPS 20W 50 OIL. COMPRESSIONS AS FOLLOWS: #1 65/80 #2 73/80 #3 63/80 #4 60/80 #5 72/80 #6 79/80 MASTER AT 40. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED 12 EA SPARK PLUGS. CHECKED MAG TIMING. POST RUN LEAK AND OPS CHECK GOOD. REF: SR 22 M/M 5-20 AS A GUIDE.
- 2) BORESCOPED 6 EA CYLINDERS AND SENT PHOTOS TO CUSTOMER. REF: CMI IO-550-N M/M 6-4.11.3
- 3) CHECKED AD'S THROUGH TDATA REV. 2019-26. NO FURTHER COMPLIANCE REQUIRED AT THIS TIME.

I certify that this aircraft, airframe, aircraft engine, propeller, or appliance has been inspected and repaired in accordance with current Federal Aviation Administration regulations and is approved for return to service.

Authorized Signature:  Date 12/24/2019

Jason Mullikin
CRS# 6KYR204D

ENGINE LOG

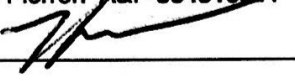
N61GT



6-3-2020	Eng. S/N:	1005650
Make: Cirrus	Model:	IO-550-N
Hobbs: 2992.1	Tach:	2230.8
	TTSMOH:	2230.8 TSN

1 Removed this engine from N61GT for overhaul.

A/P Kevin Pierron A&P 33431891A

Signed 

PCS ENGINES

14833 SIDNEY-PLATTSVILLE RD
SIDNEY OH 45365
(937)-833-0843

Date 9-17-2020 model IO-550-N68

S/N 1005650

ETT 2230.8TSOH 0.0

This engine was overhauled to new parts limits using Continental overhaul manual as a guide, all ferrous part inspected using ASTM E-1444 -94a as a guide, all non-ferrous materials were inspected using ASTM E 1417-95a as a guide, all connecting rods were rebushed, all rocker arms were rebushed, all counterweights rebushed, and crankshaft blades rebushed. Engine rotating assy balanced. All cylinders were overhauled with new valves, springs, guides, seats and nickel barrels. Camshaft and lifters were installed new. Ignition system were installed new. Fuel system overhauled, starter adapter overhauled. Oil cooler overhauled. See AD list for compliance. Following service bulletins were complied with SIL98-9E, SB96-10B, MSB96-10B, SIL99-2C, SB07-1, SB06-1A, SB00-3A, SB02-3, M85-10, and msn18-08b

Tested engine using manufactures guidelines as a guide.

I certify that this engine was inspected and overhauled In accordance with current FAA regulations and determined to be airworthy for return to service

IA A&P 400062798

 Phillip Scadden

ENGINE LOG



11/2020
Make: Cirrus
Hobbs: 1823.0

Eng. S/N: 1005650
Model: SR22
Tach: N/A
TTSMOH: 0

ne Serv

maintenance
on and comp
nspections, M

- 1. Installed
ENGINE S/N 1005650 After O/H.
PROP S/N FP3793B After O/H.
New Starter P/N PL13484 S/N 2000112.
O/H ALT 2 P/N BC410-1 S/N03064574.
O/H Prop Goveenor P/N C290D3-
R/T23 S/N 060440
6 NEW Engine mounts P/N 96301-01.
New ALT 1 P/N C28-150S.
New drain tube seals P/N 08-11320.
6 New Locking wachers P/N MS9276-13.
C/W SID 97 fuel system set up.

A/P3176242

Signed Danny Potter

WWW.STEELAVIATION.COM
