

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.	

ENGINE MODEL
IO-550-N (46)
ENGINE S/N 690812
REG. NO. 950SE
WORK ORDER
8775-04-2007

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3101

DATE 4/24/2007
A/C TSN: 14.3
ENG TT: 14.3
HOBBS: 14.3

Engine Entries

(2) Installed turbo-normalizing equipment in accordance with Engine Technologies Inc. Master Drawing List number ETI-G2-1 Rev. A, dated November 8, 2006, (Kit P/N KIT-SR22-1, S/N 2120), on Teledyne Continental Motors IO-550-N Serial Number 690812 IAW STC # SE10589SC. See FAA form 337 signed and dated 24 APR 2007. (28) Installed L/H Magneto P/N 10-500556-101, S/N D07AA082 IAW TCM IO-550 Maintenance Manual X30634A, Chapter 12. (29) Installed R/H Magneto P/N 10-500556-101, S/N D07AA109 IAW TCM IO-550 Maintenance Manual X30634A, Chapter 12.

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 4/24/2007

SIGNED: 
Ross Sarkala
Certified Repair Station No. YD5R855Y
Work Order: 8775-04-2007
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Date: 5/20/07
Eng TT: 24.7
Reg. No: 15W-50

Changed filter
CH 48108-1

Changed oil using Aeroshell 100W50

Signed: 

ENGINE MODEL:
ENGINE S/N: 690812
REG. NO: 950SE
WORK ORDER: 3394

Troutdale Aircraft Services, Inc.
Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

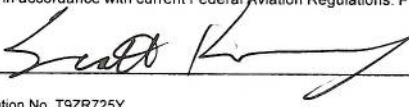
DATE: 9/26/2007
A/C TSN: 52.7
ENG TT: 27
HOBBS: 52.7

Engine Entries

- 1 Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108 -1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.
- 2 Removed, cleaned, inspected, gaped, tested. Reinstalled all spark plugs & toqued.
- 8 Performed Bore scope inspection of number 6 cylinder. Installed new spark plug in number 6 cylinder top position.

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

DATE: 9/26/2007

SIGNED: 
Scott Kenney
Certified Repair Station No. T9ZR725Y
Work Order: 3394
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL IO-550N
ENGINE S/N: 690812
REG. NO: 950SE
WORK ORDER: 4016

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

Record
actions,

DATE: 4/24/2009
A/C TSN: 136.5
ENG TT: 110.8
HOBBS: 136.5

Engine Entries

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

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

TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.

TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetoes.

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

Removed GAMI fuel nozzles, cleaned and reinstalled.

TCM - C/W SB 96-12 Continued Airworthines Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.

TCM - C/W SID 97-3E dated 6-17-08 Procedures and specifications for the adjustment of TCM continuouse flow fuel injection systems.

TCM - C/W SID 97-2B Top care compliance information. Required annually to comply with TCM top care cylinder warranty. Cylinder Differential compression check and trend monitoring - Cylinder borescope inspection - Oil consumption trend monitoring - Oil Analysis trend monitoring - Baffle condition inspection - Induction system examination - Cowling Inspection and cowl flap operational check - Ignition system inspection - Fuel system setup - Verification of accuracy of engine gages - Flight test.

Replaced valve cover gasket on #4 cylinder.

Push rod seal replaced on cylinder #4 intake with new.

Replaced push rod tube seal on Cyl #2, exhaust side. Leaked check and O.k.

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

DATE: 4/24/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4016

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ENGINE MODEL IO-550N
ENGINE S/N: 690812
REG. NO: 950SE
WORK ORDER: 4292

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 10/6/2009
A/C TSN: 156.6
ENG TT: 130.9
HOBBS: 156.6

Engine Entries

1 Changed oil using Aeroshell 100 W. Filter was removed, cut, inspected and OK. Installed CH48108 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

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

DATE: 10/6/2009

SIGNED:

Eric Svelmoe
Certified Repair Station No. T9ZR725Y

Work Order: 4292

Printed by EBis 3 (datcomedia.com)

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

Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Continental
 Model Number IO-550-N46B
 Serial Number 690812

Total Time 194.2

Date 29 Aug 2014
 WO Number 12948

The following work was performed as requested by the owner/operator: This engine was disassembled and inspected due to a propeller strike. The camshaft was repaired by Aircraft Specialties Services, Inc., RS DD2R764K, WO 226112, 24 Jul 2014. Installed new hydraulic lifters. Honed the barrels and fit new rings. Repaired the starter adapter to .015 specifications. Installed a new starter. Installed a new 656991 Revision C crankshaft gear. See following list of parts installed. Assembled engine. Work was done in accordance with Continental Manual M16, Change 0, dated 31 Aug 2011. Engine was run on a test stand.

Accessories

Description	Model Number	Part Number	Serial Number	Condition
Magneto	S6RSC-25P	10-500556-101	D07AA082	Inspected - no damage noted.
Magneto	S6RSC-25P	10-500556-101	D07AA109	Inspected - no damage noted.
Starter	-	C24ST5	4C5-201405	0.0 hours since new.

Service Information

Service Bulletin	Subject	Compliance
SB96-7C	Torque limits	Used the correct torque limits.
SID97-4E	Piston and rings specs.	Correctly fit the pistons and rings.
SB00-3A	Crank, ctw's & rods	Inspected the crankshaft, counterweights and connecting rods.
MSB94-8D	Magneto timing	Correctly timed the magnetos to the engine.
MSB96-10A	Ultrasound inspection	The crankshaft was ultrasound inspected.
SB13-6A	Crankshaft gear	Installed a new 656991 Revision C gear.
SB97-6B	Mandatory replacement	Replaced all parts specified in this Service Bulletin applicable to the scope of work performed.
SIL99-2B	Sealants & lubricants	The correct sealants, lubricants, and adhesives were used during assembly.

Airworthiness Directives

Engine

AD Note	Amend #	Dated	R	Subject	Compliance
2010-11-04	39-16309	06/16/2010	N	Hydraulic lifters	Not applicable by part number. Did not install affected part number lifters in accordance with paragraph (i).
2012-10-13	39-17062	06/08/2012	N	Starter adapter failure	Inspected in accordance with paragraph (c). Not applicable by starter adapter part number.
2014-05-29	39-17801	04/25/2014	Y	Superior cylinders	Inspected in accordance with paragraph (c). Not applicable. No Superior cylinders are installed. AD Note requires no further inspection.

Fuel Injection

2012-03-06	39-16947	02/24/2012	N	Servo diaphragm	Inspected in accordance with paragraphs (c) & (f) . Not applicable. Fuel injection has not been serviced since it left Continental.
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No other work, inspection or determination of airworthiness was accomplished at this time.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 12948.

Date: 29 Aug 2014 Signed  Inspector for Premier Aircraft RS JZYR537L.

List of Parts Installed for Work Order No.: 12948

Qty	Part Number	Description	Qty	Part Number	Description
10.0	10-157158	Screw	1.0	646592A2	Main Bearing Set
8.0	10-157160	Screw	6.0	646605	Nut
2.0	10-163374	Felt Strip	1.0	646798A2	Gasket Set
2.0	10-357520	Gasket	4.0	649205	Bolt
2.0	10-357532	Gasket	1.0	653359	Fuel Pump Drive Coupling
2.0	10-357533	Gasket	12.0	654490	Rod Nut
2.0	10-50752	Felt Washer	4.0	654587-44	Bolt
6.0	24764	Stud	4.0	655269	Rubber Magneto Drive Bushing
8.0	350998	Crankshaft Bushing	12.0	655958	Rod Bolt
1.0	501867	Lock Tab	2.0	AS3578-016	O Ring
24.0	501868	Lock Tab	1.0	CH48108-1	Oil Filter
1.0	536563	Dowel Pin	12.0	M674	Spark Plug Washer
16.0	629104	Snap Ring	2.0	MS16624-2037	Snap Ring
1.0	630899	Bearing	24.0	MS20500-428	Nut
12.0	630979-9	O Ring	1.0	MS9970-116	O Ring
6.0	633958-2	Seal	1.0	MS9970-117	O Ring
6.0	633958-3	Seal	2.0	NAS1805-4	Lock Nut
3.0	633958-5	Seal	6.0	SA536379	Crankshaft Bolt
16.0	639193	Counterweight Bushing	1.0	SA630916	Gasket
6.0	640612	Rubber Washer	6.0	X1473	Washer
1.0	641250	Crankshaft Seal	6.0	658077	Hydraulic Lifter
2.0	641909	Lock Plate	6.0	658088	Hydraulic Lifter
12.0	642398	Rod Bearing	6.0	654716P005	Ring Set
1.0	642892	Gasket	1.0	C24ST5	Starter
2.0	643626-103	Counterweight Pin			S/N: 4C5-201405
2.0	643626-104	Counterweight Pin	1.0	S539800M015	Starter Adapter Clutch Spring
4.0	643626-105	Counterweight Pin	1.0	656991	Crankshaft Gear
16.0	643629	Counterweight Plate			

ENGINE MODEL: IO-550N
ENGINE S/N: 690812
REG. NO: 950SE
WORK ORDER: 5170

Troutdale Aircraft Services, Inc.

1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 9/4/2014
A/C TSN: 194
ENG TT: 194
TSMOH
HOBBBS: 194

Engine Entries

- 1 Removed engine and sent to Premier Aircraft for prop strike inspection. Installed engine after return IAW AMM. Ops checked and found OK.
- 6 100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service.

Items listed above have been inspected and or repaired in accordance with current federal aviation regulations and were found OK for return to service. See actual work order for any discrepancies.

DATE: 9/4/2014

SIGNED:

Scott Kenney, IA: 543760444 IA

Work Order: 5170

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ENGINE MODEL: IO-550-N46B
ENGINE S/N: 690812
REG. NO: N950SE
WORK ORDER: 8932



Keystone Aviation
22225 Yellow Gate Lane
Aurora, OR 97002
Phone: 503-678-6076

DATE: 4/6/2015
A/C TSN: 204.1
ENG TT: 204.1
HOBBBS: 204.1

Engine Entries

- Performed a technical appraisal inspection of the aircraft, propeller and engine. Engine compression tested per TCM SB 03-3, results: #1 75, #2 71, #3 72, #4 68, #5 66, #6 75/80 metered orifice reading of 46 PSI. Drained engine oil and S.O.A.P. sample taken. Serviced engine with 7 quarts of Aeroshell W100 mineral oil and installed new oil filter P/N CH48108-1. Ground run leak checks good. Adjusted engine MAP.
- Performed GAMI fuel injector annual ICA IAW GAMI CMM IP-2001-02.
- Performed fuel injection system inspection in accordance with CMI/TM Service Information Directive 97-3.
- Performed annual TAT turbo inspection per ICA Manual 22-6460004 rev.C.

Maintenance Release-

The aircraft and/or component(s) on N950SE was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Keystone Aviation under Work Order No. 8932.

8

DATE: 4/6/2015

SIGNED:

James Aukes, IA: 3282831

CRS# K5S2339N

Work Order: 8932



Engine Entries

Removed and replaced turbo Automatic Pressure Controller with Overhauled unit, P/N 470688-5, S/N off: KAN00925, S/N on: DJ0112. See 8130-3 dated 06/APR/2015 from Main Turbo Systems, Inc, Repair Station #MAMR190K. Adjusted Automatic Pressure Controller within spec. All maintenance performed per Tornado Alley ICA Doc #22-6460004.

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ons,

Adjusted engine oil pressure as required.
 Verified engine fuel flow is within published limits per Tornado Alley ICA Doc #22-6460004.

Maintenance Release-

The aircraft and/or component(s) on N950SE was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Keystone Aviation under Work Order No. 8932.

DATE: 4/6/2015

SIGNED:

CRS# K5S2339N

Work Order: 8932

Inspector Robert Richards

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SkyWest Aviation Inc.

April 22, 2016

N622AD

Cirrus SR226-2

SN: 2403

Hobbs: 583.6

TTAC: 583.6

Continental

MN: IO-55N

SN: 690812

TSN: 583.6

- Complied with Annual Inspection IAW FAR 43 appendix D and Continental M.M
- Replaced All Valve cover gaskets with new PN 655705.
- Replaced All Spark Plugs with new PN RHB325.
- Replaced All Gami Injector O rings with new PNs X1473, 628556, & 640612.
- Replaced Alternator garlock seal with new PN 25102.
- Replaced ITT Probe with new PN 86245.

I Certify that this Engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition

Paul Armstrong

AP3154322IA

DEER HORN AVIATION, LTD.

March 23, 2017

N622AD

Cirrus SR22

S/N: 2403

Acft Flt HM: 682.5

CMI IO-550

1. Repaired the engine induction system by repositioning and securing one intake coupling and clamp. Ground ran aircraft with all indications normal.

This aircraft is approved for return to service for the work performed. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number M622AD01.

Donald B. Brady

AP3474356

