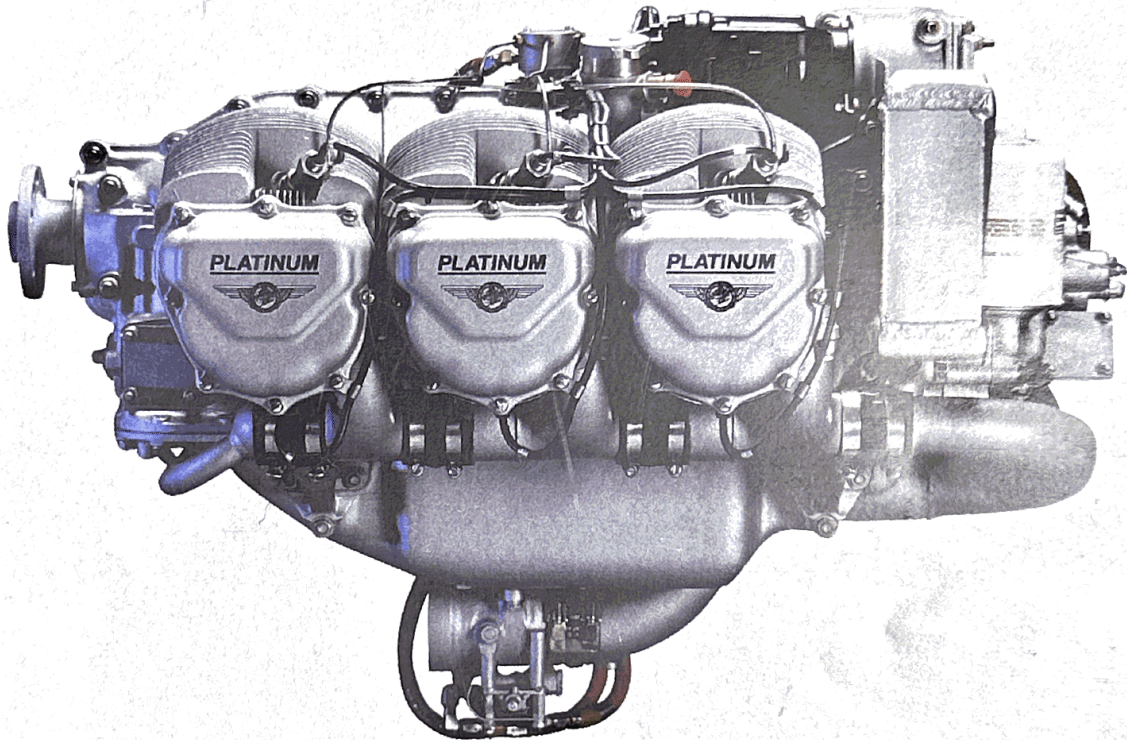


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 01/31/2007

This engine model 10550N46, Serial No. 690812, was manufactured on 01/28/2007

by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 505



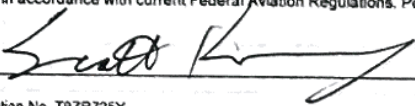
Service Information

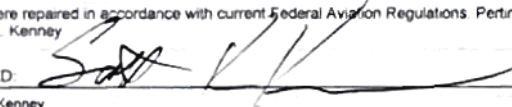
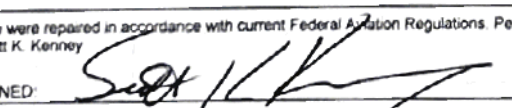
Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

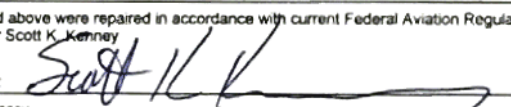
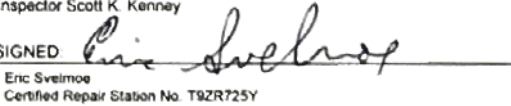
Engine Returns

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

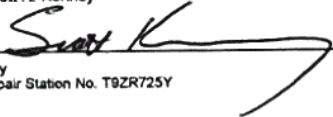
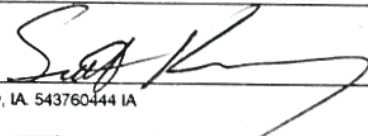
Teledyne Continental Motors
2039 South Broad Street
Mobile, AL 36615

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
					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 SIGNED  Ross Sarkela Certified Repair Station No. YD5R855Y
					Work Order 8775-04-2007 Printed by EBis 3 (datcomedia.com)
					Engine Entries (2) Installed turbocharging 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.
					Changed filter CH 48108-1 Date: 5/20/07 Eng TT: 24.7 Reg. No: 15W-50 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 SIGNED  Scott Kenney Certified Repair Station No. T9ZR725Y
					Work Order 3394 Printed by EBis 3 (datcomedia.com)
					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 & torqued. 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	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.	
Bro	ENGINE MODEL IO-550N ENGINE S/N 690812 REG NO 950SE WORK ORDER 3574				Troutdale Aircraft Services, Inc. Repair Station No. T9ZR725Y 1250 NW Perimeter Way Troutdale, OR 97060 Phone: 503-666-3838
DATE 3/31/2008 A/C TSN 68 3 ENG TT 42 6 HOBBS 68 3					
Engine Entries					
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 eight quarts of Aeroshell 100W. The filter was removed, inspected and OK. Installed new CH48108-1 filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: A1=74, A2=77, A3=74, A4=76, A5=77, A6=76.					
C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.					
C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.					
C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetoes.					
C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.					
C/W SID 05-7 Positioned tuned fuel injection nozzles Due each annual or 300 hours.					
C/W SID 97-3D dated 11-02-07 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.					
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 cow flap operational check - Ignition system inspection - Fuel system setup - Verification of accuracy of engine gages - Flight test.					
Re-torqued rocker cover screws.					
Chafe protected #2 fuel injection line and installed stand off between ignition harness and engine breather line to prevent chafing.					
Repositioned, secured and protected #4 ign. lead.					
Cleaned corrosion off of #6 spark plug ignition lead.					
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 3/31/2008 SIGNED:  Work Order: 3574 Scott Kenney Certified Repair Station No. T9ZR725Y Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL IO-550N ENGINE S/N 690812 REG NO 950SE WORK ORDER 3870					
Troutdale Aircraft Services, Inc. Repair Station No. T9ZR725Y 1250 NW Perimeter Way Troutdale, OR 97060 Phone: 503-666-3838					
DATE 10/24/2008 A/C TSN 105 8 ENG TT 80 1 HOBBS 105 8					
Engine Entries					
Changed oil using Aeroshell 100W. Filter was removed, cut, inspected and OK. Installed CH48108-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.					
TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.					
The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney					
DATE 10/24/2008 SIGNED:  Work Order: 3870 Scott Kenney Certified Repair Station No. T9ZR725Y 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.	
Bro	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
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 Airworthiness 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 continuous flow fuel injection systems.					
TCM - C/W SID 97-2B Top care compliance information. Required annually to comply with TCM top care cylinder warranty. Cylinder Differential compression check and trend monitoring - Cylinder borescope inspection - Oil consumption trend monitoring - Oil Analysis trend monitoring - Baffle condition inspection - Induction system examination - Cowling inspection and cow 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 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 4/24/2009 SIGNED:  Work Order: 4016 Scott Kenney Certified Repair Station No. T9ZR725Y Printed by EBis 3 (datcomedia.com)					
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:  Work Order: 4292 Eric Sveinmo Certified Repair Station No. T9ZR725Y Printed by EBis 3 (datcomedia.com)					

[illegible]

#	ENGINE MODEL	ENGINE S/N	REG NO	WORK ORDER	REPAIR STATION	DATE
1	IO-550N	690812	950SE	4775	Troutdale Aircraft Services, Inc. Repair Station No. T9ZR725Y 1250 NW Perimeter Way Troutdale, OR 97060 USA Phone: 503-668-3838	6/8/2011 A/C TSN: 176 ENG TT: 178 HOBBS: 176
Engine Entries						
2	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:					
5	TCM - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07.					
6	TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders.					
7	TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetoes.					
8	TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine.					
10	TCM - C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains.					
11	TCM - C/W SID 97-3C dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems.					
13	TCM - C/W SB 08-3 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation.					
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: 6/8/2011		SIGNED: 			Work Order: 4775 Printed by EBis 3 (datcomedia.com)	
Scott Kenney Certified Repair Station No. T9ZR725Y						
2	IO-550N	690812	950SE	5028	Troutdale Aircraft Services, Inc. 1250 NW Perimeter Way Troutdale, OR 97060 Phone: 503-668-3838	7/23/2012 A/C TSN: 186.6 ENG TT: 186.6 TSMOH: HOBBS: 186.6
Engine Entries						
2	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. 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 A1 75 A2 75 A3 72 A4 70 A5 74 A6 74					
DATE: 7/23/2012		SIGNED: 			Work Order: 5028 Printed by EBis 3 (datcomedia.com)	
Scott Kenney, IA 543760-444 IA						

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 →					

7777 NE Airport Way
Portland, Oregon 97218
FAA CRS#: FCPR831D

FLIGHTCRAFT

Log Entry Type: Engine Reg#: N542PF Model: TCM IO-550-N46 S/N: 690812

Hobbs/Flight: 244.3/189.0

Complied with the following inspections:

Sqk Work Performed

1.1 Completed annual inspection I/A/W FAR Part 43, Appendix D using Cirrus SR22 Scheduled Inspection Report AMM 5-20 dated 5-31-11 as a guide. Compression check as follows: #1) 60/80, #2) 65/80, #3) 64/80, #4) 42/80, #5) 64/80 & #6) 62/80. Drained engine oil and removed filter. Took oil sample and sent for analysis. Opened filter and inspected for any abnormal debris, none found. Install new filter P/N CH48108-1. Serviced engine with 8 quarts of Aeroshell 15W/50 oil. Ran up engine, no leaks or defects noted.

Complied with Tornado Alley Turbo, Inc. annual inspection I/A/W Tornado Alley Continued Airworthiness Manual #22-6460004, Rev. C.

GAMI fuel injector nozzles annual ICA inspection complied with I/A/W GAMI document# IP-2001-02

Complied with the following Airworthiness Directives and Service Bulletins:

Sqk Work Performed

Researched airworthiness directive through bi weekly issue 2013-13, none applicable at this time.

Following repairs accomplished:

Sqk Work Performed

2.16 Replaced Magneto pressurization filter P/N 04-670001 I/A.W. Cirrus MM Ch. 74-10

Pertinent details of the work described above are on file at this agency under W.O. #: PDX-13-928. I certify that this engine has been inspected in accordance with FAR Part 43, Appendix D, current federal aviation regulations and was determined to be in airworthy condition with respect to the work performed. END.

Flightcraft Portland CRS# FCPR831D: Joe Korick

Date: 10/09/13

Joe Korick CRS# FCPR831D

4-2-2014 AIRCRAFT TT 194.2 ENG TT 194.2

THIS ENGINE WAS REMOVED FOR INSPECTION + SENT
TO PREMIER AIRCRAFT ENGINES FOR COMPLIANCE WITH
TCM BULLETIN

SCOTT K KENNEY 593760444 A+PIA TROUTDALE AIRCRAFT w/o 5170

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

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

Manufacturer Continental

Total Time 194.2

Date 29 Aug 2014

Model Number IO-550-N46B

WO Number 12948

Serial Number 690812

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

AD Note	Amend #	Dated	R	Subject	Compliance
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.

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: James D. Fitch

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 9505E
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 2
ENG TT 194 2
TSMOH
HOBBS 194 2

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

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL IO-550-N46B
ENGINE S/N 690812
REG NO N9505E
WORK ORDER 8932



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

DATE 4/8/2015
A/C TSN: 204 1
ENG TT: 204 1
HOBBS: 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 V100 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 N9505E 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 4/8/2015

SIGNED

CRS# K5S2339N

Work Order: 8932

ENGINE MODEL IO-550-N46B
ENGINE S/N 690812
REG NO N9505E
WORK ORDER 8932



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

DATE 4/8/2015
A/C TSN: 204 7
ENG TT: 204 7
HOBBS: 204 7

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 Tomado Alley ICA Doc #22-6460004.

Adjusted engine oil pressure as required.

Verified engine fuel flow is within published limits per Tomado Alley ICA Doc #22-6460004.

Maintenance Release

The aircraft and/or component(s) on N9505E 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 4/8/2015

SIGNED

Inspector Robert Richards

CRS# K5S2339N

Work Order: 8932

Printed by EBis 3 (datcomedia.com)

SkyWest Aviation Inc.

N622AD Cirrus SR22G-2 SN: 2403 Hobbs: 583.6
Continental MN: IO-55N SN: 690812 TSN: 583.6

April 22, 2016

TTAC: 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.

N622AD Cirrus SR22 S/N: 2403
CMI IO-550

March 23, 2017

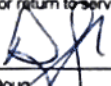
Acft Flt HM: 682.5



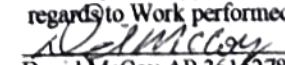
1. Repaired the engine induction system by repositioning and securing one intake coupling and clamp. Ground ran aircraft with all indications normal.

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

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL IO550N46</p> <p>ENGINE S/N: 690812</p> <p>REG NO N622AD</p> <p>WORK ORDER 200574</p> </div> <div> <p>Clear Star Aviation</p> <p>Repair Station No. 5CSR009B</p> <p>4765 Frank Luke Dr</p> <p>Addison, TX 75001</p> <p>Phone: 972-267-2376</p> </div> <div> <p>DATE: 4/28/2017</p> <p>A/C TSN: 694.4</p> <p>ENG TT: 694.4</p> <p>TACH: 694.4</p> </div> </div>					
<p>Engine Entries</p> <p>Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30. The cylinder compression was checked with the following results: #1, 72/80 #2, 68/80 #3, 68/80 #4, 70/80 #5, 70/80 #6, 72/80 psi. Master orifice 42/80. The oil and filter was changed and serviced with 8 quarts of Phillips 20W-50 X/C and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories. Inspected the turbo system in accordance with the instructions for continued airworthiness document 22-6460004 Rev. C. Installed new slave waste gate hardware pins P/N MS20392-1C13 and MS20392-2C13, spring P/N LEM120D035 and safety pin P/N AA55488-2. Installed new slave wastegate P/N 22-6150026. Installed new RH turbo support rod sleeve. Replaced oil filter adapter gasket and leak checked with no leaks found. Installed new o-ring P/N 630979-24 on starter drive adapter, leak check satisfactory. Installed new slave waste gate pulley bracket P/N 22-5600003. Removed and re-installed engine driven fuel pump after repair performed by Tornado Alley Turbo. Repositioned cylinder drain line away from case to prevent damage to line. Replaced crankshaft seal P/N 641250, leak check satisfactory. Cleaned #2 injector and installed with new seals. Installed new #6 intake clamp. Adjusted MAP to within limits and lubed wastegate. Installed new garlock seal on ALT #2 mount, P/N 25102, with gaskets P/N 653487 & 654012, leak check satisfactory. Installed new #3 EGT probe assy P/N 16579-002. Removed and re-installed magnetos after 500 hr internal inspection performed by Quiet Sky Aviation Consultants. Magnetos P/N 10-500556-101 LH S/N D07AA082 RH S/N D07AA109. Replaced both V-band clamps P/N 11-1100023. Installed new TAT flexible hoses kit P/N ETI-G3-6. Removed and re-installed RH exhaust manifold after repair performed by North Texas Turbines. Installed new LH turbo heat shield and installed 2 new exhaust heat shields.</p> <p>Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, 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 5CSR009B.</p> <div style="display: flex; justify-content: space-between;"> <p>DATE: 4/28/2017</p> <p>SIGNED: </p> <p>Work Order: 200574</p> </div> <p>Longaker, Doug Certified Repair Station No. 5CSR009B</p> <p>Printed by EBis 3 (datcomedia.com)</p>					
8-5-17	2440				oil change Shell 10-50W Champ Filter CH 48108-1 Kenny Dotts 452 278469
10-23-17	896	3			Oil change Shell 10-50W Tempest AA 48108-2 Kenny Dotts 452 278469
1-18-18	966				oil change Shell 10-50W Tempest AA 48108-2 Kenny Dotts 452 278469
2-27-18	986.8				Oil Change Shell 100W Tempest AA 48108-2

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<div style="display: flex; justify-content: space-between;"> <div> <p>Duke Aviation</p> <p>N622AD TCM</p> </div> <div> <p>Cirrus SR22 MN: IO-550-N</p> </div> <div> <p>SN: 2403 SN: 690812</p> </div> <div> <p>ACTT: 890.0 TSN: 890.0</p> </div> <div> <p><u>April 23, 2018</u></p> </div> </div>					
<ul style="list-style-type: none"> Inspected and serviced engine IAW FAR 43 appendix D, serviced the engine using TCM MM. Removed, inspected, and reassembled all 6 cylinders, replaced piston rings P/N 654716P005 and seals from kit P/N 646798A2, and preformed engine runs IAW TCM Overhaul Manual Publication M-16. Replaced Turbo oil return lines with new P/N AE1014035H0190 x2, AE1014036H0226. 					
<p>I Certify that this Aircraft has been inspected IAW an annual inspection and was determined to be in an airworthy condition.</p> <p>Benjamin Carbajal </p> <p style="text-align: right;">AP36817571A</p>					
<p>B&G Aviation LLC Georgetown Texas 78628 ph 512-864-7632</p> <p>N622AD SN# Date 11/2/2018</p> <p>ACTT: 1082.6 HRM: 1082.6</p> <ol style="list-style-type: none"> Change the oil and filter. Serviced with Aeroshell W100 and new filter AA48108-2 And 1 pint of cam guard. Cut open the oil filter and inspected. Installed the nuts on the 7th stud in between the 2,4,6 cylinders and torqued Adjusted the oil pressure up 1 turn Replaced the #6 CHT probe with a new probe PN# 16578-001 <p>This aircraft is approved for return to service in regards to Work performed.</p> <p> Bradley D Gray A&P 3155226</p>					
<p>B&G Aviation LLC Georgetown Texas 78628 ph 512-864-7632</p> <p>N622AD SN# 690812 Date 4-22-2019</p> <p>TTE: 1004.2 Flight H.M: 1004 Tach: 1004.2</p> <ol style="list-style-type: none"> Changed oil & filter serviced with 8 Qts AS W100 new filter AA48108-2 Serviced with 13 Oz Cam Guard Cleaned gapped & rotated plugs Comp Cks #1 70 #2 61 #3 73 #4 50 #5 71 #6 75 over 80 PSI Installed 1 new spark plug P/N RHB32S Installed new 7th stud nut P/N 646312 on #2 cylinder All routine maintenance C/W Washed & ground ran engine Ops Ck good no leaks noted <p>I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition</p> <p>This Engine is approved for return to service in regards to Work performed.</p> <p> David McCoy AP 3615278</p>					

B&G Aviation LLC
 Georgetown Texas 78628 ph 512-864-7632
 N622AD
 SN# 2403
 Date 7/23/2019
 1. Changed oil and filter. Serviced with aeroshell W100 and a new filter AA48108-2
 Added camguard. Cut open the filter and inspected. Ground run leak check satisfactory
 This aircraft is approved for return to service in regards to Work performed.
 Bradley D Gray A&P 3155226

ACTT: 1053.6
 HRM: 1053.6

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N622AD

SN# 690812

Date 5-1-2020

1. Changed oil & filter serviced with 8 Qts AS W100 new filter AA48108-2

2. Cleaned gapped & rotated plugs

3. Comp Cks #1 60 #2 65 #3 52 #4 53 #5 62 #6 65 over 80 PSI

4. Installed new #6 fuel inj nozzle P/N 550-19B

5. Installed 2 new spark plugs P/N URHB32S

6. C/W 300 Hr magneto filter replacement next due TTE 1423.3

7. All routine maintenance C/W

8. Ground ran engine Ops Ck good no leaks noted

I certify that this engine has been inspected in accordance

with a 100hr inspection. In accordance with FAR part 43 appendix D

and was determined to be in an airworthy condition

This Engine is approved for return to service in

regards to Work performed.


David McCoy AP 3615278

TTE: 1123.3

SMOH:

H.M: 1123.3

Service and Maintenance Records, Airworthiness Directives, Special Inspections,
e Bulletins**B&G Aviation LLC**

Georgetown Texas 78628 ph 512-864-7632

N622AD

SN# 2403


Date 10-13-2021

Changed oil & filter serviced with 8 Qts AS W100. New filter AA48108-2

Ground ran engine Ops Ck good no leaks noted.

This ENGINE was approved for return to service in

regards to work performed.


David McCoy A&P 3615278

ACTT:

Tach:

Flt. H.M. 1213.2

Georgetown Texas 78628 ph 512-864-7632

N622AD

SN# 690812

Date 6/4/2021

ACTT: 1193.8

Tach: 1193.8

ETSN: 1193.8

I certify that this engine has been inspected in accordance

with a 100hr inspection. In accordance with FAR part 43 appendix D

Work accomplished as follows

1. Compressions are #1 65/80, 55/80, 62/80, 63/80, 65/80, 67/80

2. Lapped the #3 cylinder exhaust valve and installed a new rotator PN#652112

3. Installed a new exhaust valve rotator on the #4 cylinder PN# 652112

4. Cleaned gapped and rotated the spark plugs

5. Checked the mag timing

6. Complied with SB 09-01 exhaust inspection

7. Complied with SB 10-01 ALT air door hinge inspection

8. Complied with SB 12-02 Fuel pump inspection

9. Complied with SI 08-04 cabin heat tail pipe inspection

10. Complied with SB 11-04 turbo oil inlet filter cleaning

11. Complied with SI 08-01 crankcase breather tube inspection

12. Complied with SI 08-05 Air filter clean and inspect

13. Complied with SI exhaust slip joint inspection


14. Complied with SI 11-03 turbo support bracket inspection

15. Replaced turbo support bracket parts as needed, ET1-G2-600-35 and -36, 2 each 22-6200021 bushings

2 each MS21250-05020, 22-625005 support bracket, 22-6250006 support bracket, ET1-G2-600-124

This Engine is approved for return to service in

regards to Work performed.


Bradley D Gray A&P 3135226

Date

Total Time

Time Since
Last Overhaul**Engine Service and Maintenance Record**

tives, Special Inspections,

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N622AD

SN# 690812

Date 6/14/2022

ACTT: 1225.7

Tach: 1225.7

ETSN: 1225.7

I certify that this engine has been inspected in accordance

with a 100hr inspection. In accordance with FAR part 43 appendix D

Work accomplished as follows

1. Compressions are #1 68/80, 54/80, 72/80, 58/80, 64/80, 71/80

2. Cleaned gapped and rotated the spark plugs

3. Removed both mags sent out for 500hr inspection and reinstalled. Timed to the engine

4. Complied with SB 09-01 exhaust inspection

5. Complied with SB 10-01 ALT air door hinge inspection

6. Complied with SB 12-02 Fuel pump inspection

7. Complied with SI 08-04 cabin heat tail pipe inspection

8. Complied with SB 11-04 turbo oil inlet filter cleaning

9. Complied with SI 08-01 crankcase breather tube inspection

10. Complied with SI 08-05 Air filter clean and inspect

11. Complied with SI exhaust slip joint inspection

12. Complied with SI 11-03 turbo support bracket inspection

This Engine is approved for return to service in

regards to Work performed.


Bradley D Gray A&P 3135226**B&G Aviation LLC**

Georgetown Texas 78628 ph 512-864-7632

N622AD

SN# 2403

Date 4/11/2022

ACTT:

HRM: 1225.5

1. Changed oil and filter. Serviced with aeroshell W100 and a new filter AA48108-2.

Cut open the filter and inspected. Ground run leak check satisfactory

This aircraft is approved for return to service in

regards to Work performed.


Bradley D Gray A&P 3135226

Date	Total Time	Time Since Last Overhaul	<h2 style="margin: 0;">Engine Service and Maintenance Record</h2> <p style="margin: 0; font-size: small;">Installations Inspections Airworthiness Directives Special Inspections</p>
B&G Aviation LLC Georgetown Texas 78628 ph 512-864-7632 N622AD SN# 690812 Date 8/2/2023			ACTT: 1232.1 Tach: 1232.1 ETSN: 1232.1
I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D			
Work accomplished as follows			
1. Compressions are #1 67/80, 62/80, 66/80, 60/80, 64/80, 77/80 2. Cleaned gapped and rotated the spark plugs 3. Checked the mag timing 4. Changed the oil and filter serviced with Aeroshell W100 and a new filter AA48108-2. Cut open the old filter and inspected 5. Complied with SB 09-01 exhaust inspection 6. Complied with SB 10-01 Alt air door inspection 7. Complied with SB12-02 Fuel pump inspection 8. Complied with SI 08-04 Cabin heat tail pipe inspection 9. Complied with SB11-04 Turbo oil inlet filter cleaning 10. Complied with SI 08-01 Crankcase breather tube inspection 11. Complied with SI 08-05 Air filter clean and inspect 12. Complied with SI 11-01 exhaust slip joint inspection 13. Complied with SI 11-03 Turbo support bracket inspection 14. AD 20-16-11 cross-flow cylinders is N/A due to cylinders installed 15. AD 22-04-04 STC stratus oil filter adapter is N/A not installed 16. AD 22-16-03 S-1200 series mags N/A due to SN# mags 17. AD 23-02-12 Intake valve failures is N/A due to valves installed 18. AD 23-05-16 Crankshaft counter weight retaining rings is N/A due to overhaul date			
This engine is approved for return to service in regards to work performed			
<div style="display: flex; justify-content: space-between;"> <div> Bradley D Gray A&P 3135226 </div> <div></div> </div>			
B&G Aviation LLC Georgetown Texas 78628 ph 512-864-7632 N622AD SN# 690812 Date 10/9/2024			ACTT: 1237.4 Tach: 1237.4 ETSN: 1237.4
I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D			
Work accomplished as follows			
1. Compressions are #1 64/80, 60/80, 60/80, 64/80, 71/80, 68/80, 70/80 2. Cleaned gapped and rotated the spark plugs 3. Checked the mag timing 4. Changed the oil and filter serviced with Aeroshell W100 and a new filter AA48108-2. Cut open the old filter and inspected 5. Complied with SB 09-01 exhaust inspection 6. Complied with SB 10-01 Alt air door inspection 7. Complied with SB12-02 Fuel pump inspection 8. Complied with SI 08-04 Cabin heat tail pipe inspection 9. Complied with SB11-04 Turbo oil inlet filter cleaning 10. Complied with SI 08-01 Crankcase breather tube inspection 11. Complied with SI 08-05 Air filter clean and inspect 12. Complied with SI 11-01 exhaust slip joint inspection 13. Complied with SI 11-03 Turbo support bracket inspection 14. AD 23-17-04 stratus oil filter adapter is N/A			
This engine is approved for return to service in regards to work performed			
<div style="display: flex; justify-content: space-between;"> <div> Bradley D Gray A&P 3135226 </div> <div></div> </div>			

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