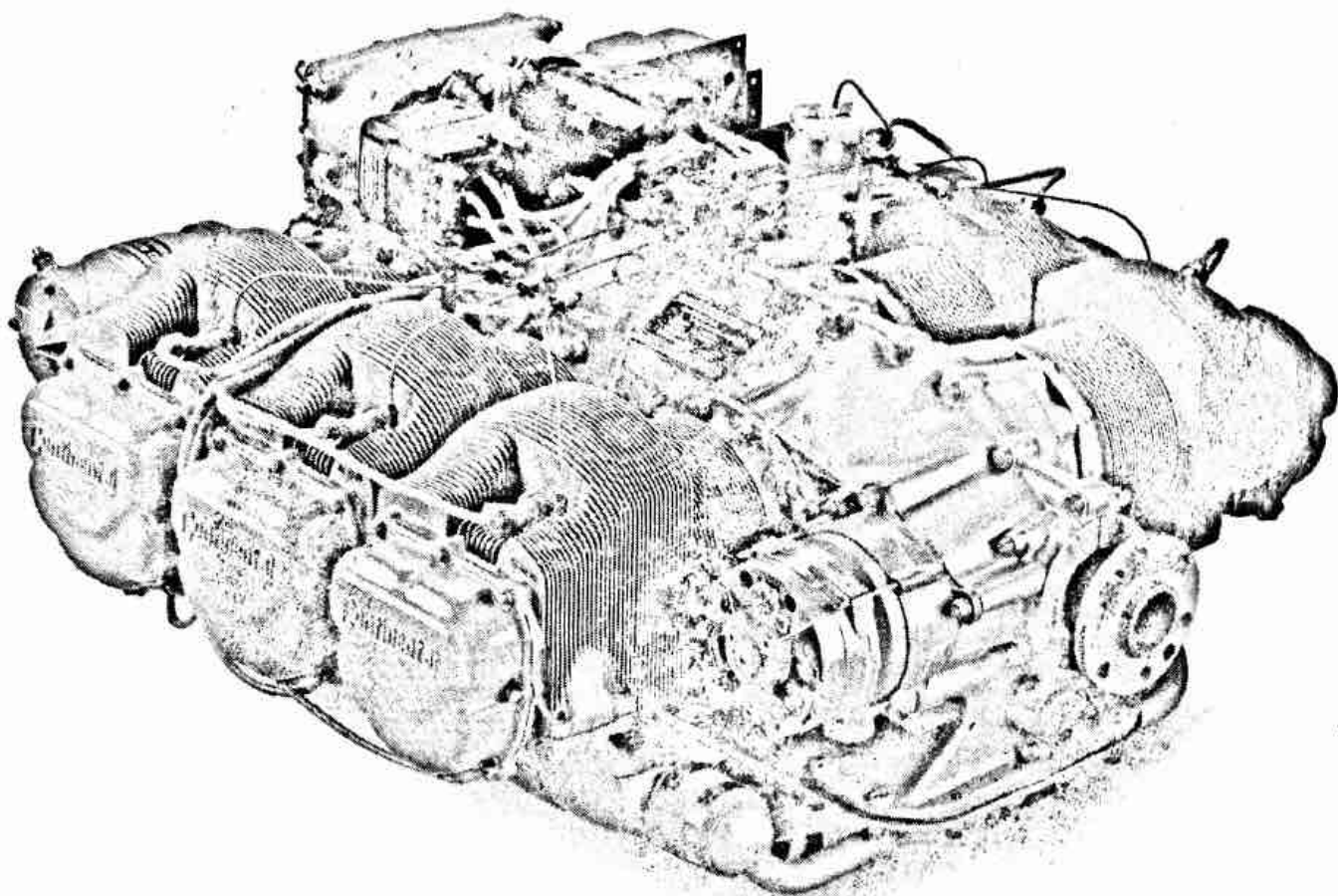


# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

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**  
Abbeville Industrial Park  
Suite 159  
Abbeville, AL 36310

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



**Teledyne Continental Motors, Inc.**  
A Teledyne Technologies Company  
Printed: 06/29/2003

This engine model 10550N7, Serial No. 687624 was manufactured on 06/29/2003 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



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

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
15AUG03	2	05			Performed oil & filter change. Serviced with Phillips 20W50 mineral oil & Champion filter CH48108. Inspected filter and drain plug for contaminants -- none found. Run-up / leak check good. Chapter 12-20 AMM.  Pertinent details are on file at this Agency under W.O.#: <u>081503-09</u> Date: <u>15AUG03</u> Signature: <u>[Signature]</u> Cirrus Design Factory Service Center YD5R855Y, Duluth MN

Make: <b>Continental</b>	 <b>DART AIR SERVICE</b> <i>The Aviation Professionals</i>	Reg. No.: <b>N8058C</b>
Model: <b>IO-550 (N)</b>		Date: <b>10/10/03</b>
Serial No. <b>687624</b>		W/O No.: <b>41077</b>
Hours <b>Hobbs 51.7</b>		Page: <b>1</b>

**Log Book Entry**

**Summary of work accomplished.**

Accomplished oil and filter change new filter CH48108 and 8 quarts Aeroshell 15W50 oil. Cut open old filter, no contamination found at this time.

Ran engine, performed leak check.  
10/10/03

**Approval for Return to Service**

All work has been performed in accordance with the applicable manufacturer's maintenance instructions and functionally checked for proper operation. The item identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

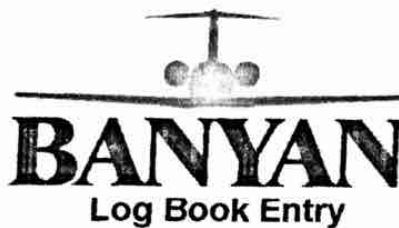
Authorized Signature: [Signature] Henry A. Roe Inspector

Make: **Continental**

Model: **IO-550-N**

Serial No. **687624**

Hours **Hobbs 139.9**



Reg. No.: **N8058C**

Date: **04/09/04**

W/O No.: **41518**

Page: **1**

**Summary of work accomplished.**

Accomplished oil and filter change new filter CH48108-1 and 8 quarts Aeroshell 15W50 oil.  
Cut open old filter, no contamination found at this time.  
Installed new Reiff Corp. FAA, PMA PQ258CE engine heater performed functional check.  
Ran engine, performed leak check.  
4/9/04

**Approval for Return to Service**

All work has been performed in accordance with the applicable manufacturer's maintenance instructions and functionally checked for proper operation. The item identified above was repaired and inspected in accordance with current FAA regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under this work order.

Authorized Signature:

Henry A. Roe Inspector

**FAA Certificated Repair Station WD4R618M**

1635 NW 51<sup>st</sup> Place Fort Lauderdale, Florida 33309

Phone 954 491 3170 Fax 954 491 1612


Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
6-28-04	205	9			Drained oil. filled with 7 quarts Aeroshell 15W50. Removed oil filter and inspected for abnormalities - none noted. Performed engine run/leak check - OK after installing new CH481087 oil filter.  <i>Affaults ATP 292905171.</i>
8/13/04	238.4				This engine; J0550N7 S/N 687624 was removed for repair by Continental Motors Hobbs time 238.4 Engine Total time 238.4
					<b>MAINTENANCE RELEASE</b> The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at this agency under work order: No. <u>117723</u> Date <u>8/13/04</u> Signed <u>[Signature]</u> G-Force Aviation, Inc. Akron/Canton Regional Airport Building #17 North Canton, Ohio 44720 FAA Repair Sta. G25R2367

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DATE: <b>Sept. 28, 2004</b>	ENGINE MODEL: <b>IO-550-N7B</b>	ENGINE S/N: <b>687624</b>	ENGINE T.T.: <b>238.4</b>	W/O#: <b>7504WR42</b>
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**TELEDYNE CONTINENTAL MOTORS**  
**FAA REPAIR STATION No. TLYR435X**

This engine has been disassembled, inspected and repaired as required in accordance with Teledyne Continental Motors Overhaul Manual X30568A and applicable TCM Service Bulletins. Engine assembled in accordance with Teledyne Continental Motors Overhaul Manual X30568A and applicable TCM Service Bulletins using new gaskets, seals, "O" rings, lock tabs, new connecting rod bolts, connecting rod nuts, new connecting rod bearings, new main bearings and thrust washers, new piston pins. Number 5 cylinder dimensionally inspected IAW TCM SID 97-4C and assembled with new piston P/N 654857 and new piston ring set P/N 654716. Installed rebuilt crankshaft P/N 649900, S/N N04CA056. Crankcase P/N 654091A26, S/N R03EA564 overhauled by TCM Abbeville. The following parts were replaced: Camshaft P/N 654084A1, S/N Z04HA038. Lifters P/N 653888, 6 ea., and P/N 653877, 6 ea. Honed number 5 cylinder, installed new piston P/N 654857, weight code WE, and piston ring set P/N 654716. Engine tested in accordance with TCM's standard production acceptance test procedure and 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 work performed on file at this repair station. ----END----

TECHNICIAN: H.D. Duck / Matt Phillips	 AUTHORIZATION: R.M. Robbins, Jr.	DATE: Sept. 28, 2004
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# Engine Service and Maintenance Record

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

Date	Total Time		Time Since Last Overhaul		
	Hrs.	Min.	Hrs.	Min.	
	Brought Forward →				
10/13/04	238	8			Reinstalled Continental T6550-N S/N 6876-24 after engine repair by Continental due to lifter-spalling. The engine was serviced with 805 100 AeroShell Mineral. Replaced the #2 Alternator with a new Alternator P/N 13565-001 S/N 91975. Replaced the dipstick with a new dipstick. The engine was washed down, ran and checked for operation and leaks. A.D.'s were checked thru 2004-20

TACHOMETER 238.8 **TOTAL TIME 238.8** I CERTIFY THAT THIS (ENGINE) HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER:  
 NO M7159, M7163, M7173, M7274, M7885 & M7993  
 DATE 10/13/04 SIGNED David B. Meyer  
 G-FORGE AVIATION, INC.  
 AKB/CANTON AIRPORT  
 NORTH CANTON, OHIO 44720

ENGINE MODEL:  
IO550-N7  
ENGINE S/N: 687624  
REG. NO: N648CB  
WORK ORDER:  
26127-05-2005



**Commander Aero, Inc.**

Repair Station No. GA5R-876M  
10570 Springboro Pike  
Miamisburg, Ohio 45342  
Phone: 888-881-5580

DATE: 6/3/2005  
A/C TSN: 277.3  
ENG TT: 277.3  
HOBBS: 277.3

**Engine Entries**

Changed oil and filter. Serviced with 8 qts Aeroshell 100 Mineral oil. Washed down engine and ran for leak check.

---

**Maintenance Release**

The aircraft and/or component(s) on N648CB 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 this repair station under Work Order No. 26127-05-2005, Dated 6/3/2005.

DATE: 6/3/2005

SIGNED:

Work Order: 26127-05-2005

Kromer, Gary  
Certified Repair Station No. GA5R-876M

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rought forward

ENGINE MODEL IO550-N7  
ENGINE S/N 687624  
REG NO N648CB  
WORK ORDER  
27575-07-2008



**Commander Aero, Inc.**

Repair Station No. GA5R-876M  
10570 Springboro Pike  
Miamisburg, Ohio 45342 USA  
Phone: 888-881-5580

DATE 7/2/2008  
A/C # 534.3  
ENGINE 534.3  
HOBBS 534.3

**Engine Entries**

(2) Changed engine oil and filter. Serviced with 8 Qts Aeroshell 15W50.... (3) Took oil sample.... (4) Washed down engine and ran for leak check.

**Maintenance Release**

The aircraft and/or component(s) on N648CB 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 this repair station under Work Order No. 27575-07-2008, Dated 7/8/2008.

DATE: 7/2/2008

SIGNED:

Work Order: 27575-07-2008

Kromer, Gary  
Certified Repair Station No. GA5R-876M

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DATE: 12/16/08  
TYPE: IO-550-N

**EXECUTIVE AIR TRANSPORT, INC.**

103 Sinclair Dr. - Muskegon, MI 49441

HOBBS: 555.0  
S/N: 687624

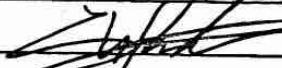
TAIL #: N648CB  
TSMOH: 555.0

1. Complied with engine annual inspection per Cirrus Design SR22 scheduled inspection report.
  2. Performed compression test with following results: 76, 72, 74, 72, 74, 73 / 80 psi.
  3. Replaced 1 each induction air filter P/N BA-24 due each 200 hrs or annual. Due again 755.0 or 11/2009.
  4. Performed high tension lead test to magneto harness.
  5. Set magneto timing to 22 degrees.
  6. Removed, cleaned, and reinstalled fuel injectors with 6 each o-rings P/N 630979-9, 6 each gaskets P/N X1473, 6 each rubber washers P/N 640612.
  7. Cleaned and inspected sparkplugs. Replaced all sparkplugs P/N URHB32E.
  8. Removed oil filter, cut open, found satisfactory. Installed 1 each oil filter P/N CH48108-1. Oil had only 20.7 hrs - oil change due at 584.3
  9. Complied with SID97-3D fuel flow set up and adjustment.
- Complied with the above listed items, reference SR22 Maintenance Manual.

Benjamin Dusendang  
AP 3156939

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. This engine is approved for return to service.

Victor Grahn  
AP 3015259 IA

1/3/09	HOBBS: 581.9	TTE	581.9	
				DRAINED OIL, INSPECTED ENGINE AND FILTER. SENT OIL SAMPLE FOR ANALYSIS.
				ADDED 7 QTS AEROSHELL 15/50 W AND CH48108-1 FILTER. RAN AND LEAK CHECKED. NO LEAKS NOTED.
				 PP# 3042707

# Engine Service and Maintenance Record

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

Total Time	Time Since Last Overhaul	
	Hrs.	Min.
Brought Forward		

ENGINE MODEL  
ENGINE SN  
REG NO N64BCB  
WORK ORDER 18323

### Million Air - Salt Lake City

Repair Station No KSSR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801 359-2085

DATE 1/29/2008  
ARC TSN  
ENG TT  
HOBS 598.9

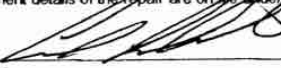
#### Engine Entries

#4 CHT SENSOR REMOVED AND REPLACED WITH NEW SENSOR P/N 16579-001. OPERATIONAL FOUND THE EGT PROBE STILL INOP. INFORMED THE CUSTOMER OF THE FAULT. CUSTOMER DECLINED ANY FURTHER ACTION AT THIS TIME AND DATE.... #6 EGT PROBE ( SENSOR) REMOVED AND REPLACED WITH NEW SENSOR P/N 16579-002. OPERATIONAL CHECKED SATISFACTORY.... CHT AND EGT PROBES INSPECTED FOR CORROSION AND PROPER CONNECTIONS AT OWNER REQUEST. CLEANED ALL CONNECTIONS AND RE-SEATED EACH CHT PROBE IN THE CYLINDER.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air SLC Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order

DATE 1/29/2009

SIGNED

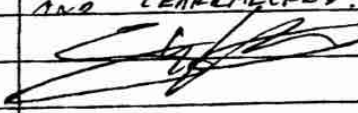


Work Order 18323

crobertson  
Certified Repair Station No KSSR339N

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1 of 1

5/28/09	HOBS	639.8	TTE	639.8	<p>OIL CHANGED, INSPECTED ENGINE AND FILTER, SENT OIL SAMPLE FOR ANALYSIS. ADDED 8 QTS AEROSHELL 15/50 W AND CH8108-1 FILTER, BAN AND LEAK CHECKED. NO LEAKS NOTED</p>  <p>PP# 3042707</p>
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Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

ENGINE MODEL IO-550-N  
ENGINE S/N 687624  
REG NO N648CB  
WORK ORDER 19771

**Million Air - Salt Lake City**

Repair Station No K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone 801 359-2085

DATE 4/15/2010  
A/C TSN 689 3  
ENG TT 689 3  
HOBBS 689 3

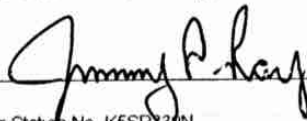
**Engine Entries**

ENGINE HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER CIRRUS DESIGN SR22 INSPECTION CHECKLIST 05-20 AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ENGINE OIL DRAINED HOT. REMOVED FILTER AND INSPECTED FOR CONTAMINATES. NONE FOUND. INSTALLED NEW FILTER CH48108-1 AND SAFETIED. INSTALLED NEW CRUSH GASKET P/N MS35769-11 AND SAFETIED ON OIL DRAIN. SERVICED WITH 8 QTS A/S 15W50. LEAK AND OPERATIONAL CHECK SATISFACTORY.... ENGINE COMPRESSION CHECK C/W. CHECKED AS FOLLOWS; #1 72/80 #2 72/80 #3 74/80 #4 65/80 #5 75/80 AND #6 63/80. CHECKED SATISFACTORY.... LT/RT MAGNETOS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB643B. CHECKED SATISFACTORY.... ENGINE CONTROL LINKAGES INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB95-2. CHECKED SATISFACTORY.... ENGINE CYLINDERS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB96-12. CHECKED SATISFACTORY.... TCM POSITION-TUNED FUEL INJECTION NOZZLES INSPECTION FOR CONTINUED AIRWORTHINESS PER TCM SID05-7 C/W. CHECKED SATISFACTORY.... THROTTLE AND MIXTURE CONTROL ARMS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB08-3. CHECKED SATISFACTORY.... ENGINE OIL DIPSTICK/CAP REMOVED AND REPLACED WITH NEW DIP STICK P/N 656616-1.... ONE SPARK PLUG REMOVED AND REPLACED WITH NEW CHAMPION SPARK PLUG P/N RHB32E. OPERATIONAL CHECK SATISFACTORY.... LT/RT MAGNETOS TIMED TO 22 DEGREES PER ENGINE DATA PLATE.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Repair order No 19771

DATE: 4/15/2010

SIGNED:



Work Order: 19771

Jray  
Certified Repair Station No K5SR339N

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ENGINE MODEL 10-550-N  
ENGINE S/N 887624  
REG NO N648CB  
WORK ORDER 21897

**Million Air - Salt Lake City**

Repair Station No: K5SR339N  
303 N 2370 W  
Salt Lake City, Utah 84116  
Phone: 801 359-2085

DATE 6/16/2011  
A/C TSN 710 5  
ENG TT 710 5  
HOBBS 710 5

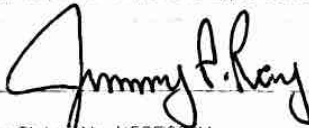
**Engine Entries**

ENGINE HAS BEEN INSPECTED FOR A 100 HOUR INSPECTION PER FAR 43 APPENDIX D USING THE CIRRUS DESIGN SR22 INSPECTION CHECKLIST 05-20 AS A REFERENCE, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED AT THIS DATE AND TIME.... ENGINE OIL DRAINED HOT. REMOVED FILTER AND INSPECTED FOR CONTAMINANTS. NONE FOUND. INSTALLED NEW FILTER CH48108-1 AND SAFETIED. INSTALLED NEW CRUSH GASKET P/N MS35769-11 AND SAFETIED ON OIL DRAIN. SERVICED WITH 8 QTS A/S 15W50. LEAK AND OPERATIONAL CHECK SATISFACTORY.... ENGINE COMPRESSION CHECKED AS FOLLOWS: CYL # 1 75/80, # 2 73/80, # 3 76/80, # 4 76/80, # 5 79/80, # 6 64/80. CHECKED SATISFACTORY.... LT/RT MAGNETOS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB643B. CHECKED SATISFACTORY.... ENGINE CONTROL LINKAGES INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB95-2. CHECKED SATISFACTORY.... ENGINE CYLINDERS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB96-12. CHECKED SATISFACTORY.... TCM POSITION-TUNED FUEL INJECTION NOZZLES INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SID05-7. CHECKED SATISFACTORY.... THROTTLE AND MIXTURE CONTROL ARMS INSPECTION FOR CONTINUED AIRWORTHINESS C/W PER TCM SB08-3. CHECKED SATISFACTORY.

I certify the airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Million Air-SLC Repair Manual System and the Federal Aviation Regulations under which the operator is certified, and was determined to be in an Airworthy Condition at this date and time with regards to the inspection(s) and/or maintenance performed, and is approved for return to service as per those requirements. Pertinent details of the repair are on file under Work order No. 21897

DATE: 6/16/2011

SIGNED:





jrav  
Certified Repair Station No K5SR339N

Work Order: 21897

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Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Make: TCM Eng Model: IO550N7 Eng S/N: 687624 Reg# N 648CB	<b>LEADINGEDGE AVIATION</b>  South Valley Regional Airport 7365 S. 4450 W W Jordan, UT 84084 801-858-0042				W/O: 12-2923 Tach: 758.3
Complied with 50 Hr. oil and filter change, replaced oil filter with <u>CH&amp;B106-1</u> . Cut and inspected filter, no defects noted. Serviced engine with <u>8</u> qts. of <u>AS 15W50</u> . Performed routines maintenance, run up, ops check leak check found satisfactory.					
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order. Date: <u>5/16/2012</u> Inspector: <u></u> Huy Bui 64624382AP					

Make: TCM Model: IO-550N7 Eng S/N: 687624 Reg# N648CB	<b>LEADINGEDGE AVIATION</b>  South Valley Regional Airport 7365 S. 4450 W. W Jordan, UT 84084 801-858-0042	W/O: 12-3003 Tach: 782.5 TSN: 782.5
C/W 100hr inspection IAW Cirrus Design SR-22 Maintenance Manual & Single Engine Inspection Guide. Oil & filter not due to change at this time. Performed differential compression test, as follows: 1 74/80 2 72/80 3 70/80 4 72/80 5 75/80 6 72/80. Clean and gap all spark plugs reinstalled. Performed routine maintenance and servicing. Wash engine. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.		
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order. Date: July 12, 2012 Inspector: <u></u> Huy Bui 646243821 AP		



Make: TCM  
Eng Model: IO 550N7  
Eng S/N: 687624  
Reg# N 648CB

LEADINGEDGE AVIATION 

South Valley Regional Airport  
7365 S 4450 W  
W Jordan, UT 84084  
801-858-0042

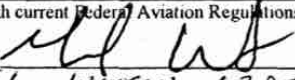
W/O: 14-4026  
Tach: 900.7

Complied with 50 Hr. oil and filter change, replaced oil filter with CH48108-1. Cut and inspected filter, no defects noted.  
Serviced engine with 8 qts. of A/S 15W50 Performed routines maintenance, run up, ops check leak check found satisfactory.

Brought

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: 3-10-2014

Inspector:   
ADRIEL WINSIN AP 3564966

Make: TCM  
Model: IO-550N7  
Eng S/N: 687624  
Reg# N648CB

LEADINGEDGE AVIATION 


South Valley Regional Airport  
7365 S 4450 W  
W Jordan, UT 84084  
801-858-0042

W/O: 14-4378  
Tach: 952.0  
TSN: 952.0

C/W 100hr inspection IAW Cirrus Design SR-22 Maintenance Manual & Single Engine Inspection Guide. Changed oil and filter, serviced with 8 Qts of Aero Shell 15w50 and a CH48110-2 filter, cut and inspected filter no defects noted. Performed differential compression test, as follows: 1 76/80 2 77/80 3 77/80 4 77/80 5 76/80 6 77/80. Cleaned fuel injectors, Clean and gap all spark plugs reinstalled. Performed routine maintenance and servicing. Wash engine. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR inspection and found to be airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: July 17, 2014

Inspector:   
Bruce Tanis AP 35081131A

Make: Continental  
Eng Model: IO 550N7  
Eng S/N: 687624  
Reg# N648CB

LEADINGEDGE AVIATION 

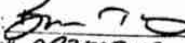
South Valley Regional Airport  
7365 S 4450 W  
W Jordan, UT 84084  
801-858-0042

W/O: 14-4638  
Tach: 1001.2

Complied with 50 Hr. oil and filter change, replaced oil filter with CH48108-2. Cut and inspected filter, no defects noted.  
Serviced engine with 8 qts. of Aeroshell 15W50 Performed routines maintenance, run up, ops check leak check found satisfactory.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: 10-17-2014

Signature:   
Certificate# AP3508113





# ABSOLUTE AERO

MAINTENANCE

22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**ENGINE ENTRY**

WORK ORDER: 574 AIRCRAFT: N648CB HOBBS: 1015.5 TSOH: N/A TTE: 1015.5

DATE: 11/26/2014

MODEL: Continental IO-550-N S/N: 687624




Replaced the starter adapter with overhauled unit (P/N: 642083-A2, S/N: CAM14-087) and related gasket (P/N: 653470) and o-ring (P/N: MS9021-038) with new. Replaced starter with new Hartzell Energizer starter (P/N: ES646275-1, S/N: H-O101704). See revised aircraft weight and balance this date. Replaced the crankshaft nose seal with new (P/N: 641250). Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

This engine is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565

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

 <b>ABSOLUTE AERO</b> MAINTENANCE 22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591	
Completed 50 hour inspection and service in accordance with Savvy Aircraft Maintenance Management Cirrus SR2x Guide for Oil Changes and Associated Service Items. Drained and sampled oil. Removed and replaced oil filter with new (P/N: CH48109-1). Examined old oil filter element, some ferrous and non-ferrous metal contamination found. Re-inspect oil filter element at Hobbs: 1028.7. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs with new gaskets (P/N: M674). Set fuel pressures IAW TCM SID97-3F. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END	
This engine is approved for return to service, for only the work performed.	
Brandon Thompson A&P 3212565 	

 <b>ABSOLUTE AERO</b> MAINTENANCE 22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591	
Completed 50 hour inspection and service in accordance with Savvy Aircraft Maintenance Management Cirrus SR2x Guide for Oil Changes and Associated Service Items. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48108-2). Examined old oil filter element, no contaminants found. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END	
This engine is approved for return to service, for only the work performed.	
Brandon Thompson A&P 3212565 	



# ABSOLUTE AERO

MAINTENANCE

22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**ENGINE ENTRY**

WORK ORDER: 752 AIRCRAFT: N648CB HOBBS: 1099.0 TSOH: N/A TTE: 1099.0

DATE: 07/07/2015

MODEL: Continental IO-550-N S/N: 687624

Removed both magnetos for 500 hour inspection by Aircraft Electrical Components (CRS# S7HR883J, WO# 68779 & 68780). Reinstalled repaired magnetos (P/N: S6RSC-25, S/N L/H: D05AA044, R/H: D05AA050) with new gaskets and timed to engine. Replaced all twelve rocker cover gaskets with new silicone gaskets (P/N: RG-632459). Compression results: #1-68/80, #2-70/80, #3-64/80, #4-64/80, #5-72/80, #6-70/80, M.O. 45/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48108-2). Examined old oil filter element, no contaminants found. Serviced engine with 6 quarts of Aeroshell W100 oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs with new gaskets (P/N: M674). Ground ran engine, leak and ops check good. No defects noted at this time. Verified AD's current through AD 2014-05-29. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P / IA 3212565



# ABSOLUTE AERO

MAINTENANCE

22005 Skywest Drive, Hayward, CA 94541 - 510 782-6591

## ENGINE ENTRY

WORK ORDER: 893 AIRCRAFT: N648CB HOBBS: 1138.0 TSOH: N/A TTE: 1138.0

MODEL: Continental IO-550-N S/N: 687624

DATE: 11/19/2015

Completed 50 hour inspection and service in accordance with Savvy Aircraft Maintenance Management Cirrus SR2x Guide for Oil Changes and Associated Service Items. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48108-2). Examined old oil filter element, no contaminants found. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

This engine is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565



# ABSOLUTE AERO

MAINTENANCE

22005 Skywest Drive, Hayward, CA 94541 - 510 782-6591

## ENGINE ENTRY

WORK ORDER: 902 AIRCRAFT: N648CB HOBBS: 1147.0 TSOH: N/A TTE: 1147.0

MODEL: Continental IO-550-N S/N: 687624

DATE: 12/22/2015

Removed #1 alternator for 500 hour inspection by Aircraft Electrical Components (CRS# S7HR883J, WO# 70256). Reinstalled repaired alternator (P/N: 646843, S/N: H2291010) with new gasket (P/N: 653981). Cleaned, gapped and tested #1 spark plugs and replaced one spark plug with new (P/N: URHB32E). Serviced all fuel injector nozzles and reinstalled with new o-rings (P/N: 630979-9) and washers (P/N: X1473 & 640612). Replaced R/H magneto gasket (P/N: 649954) and four intake gaskets (P/N: 649950) with new. Timed R/H magneto to engine. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

This engine is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565



# ABSOLUTE AERO

MAINTENANCE

22005 Skywest Drive, Hayward, CA 94541 - 510 782-6591

## ENGINE ENTRY

WORK ORDER: 973 AIRCRAFT: N648CB HOBBS: 1170.7 TSOH: N/A TTE: 1170.7

MODEL: Continental IO-550-N S/N: 687624

DATE: 03/06/2016

Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48109). Examined old oil filter element, no contaminants found. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

This engine is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565

Date

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

## Engine Service and Maintenance Record

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

Brought Forward  $\longrightarrow$



### ABSOLUTE AERO

MAINTENANCE  
22005 Skywest Drive, Hayward, CA 94541 - 510 782-6591



WORK ORDER: 1082 AIRCRAFT: N648CB HOBBS: 1226.5 TSOH: N/A TTE: 1226.5 DATE: 07/20/2016  
MODEL: Continental IO-550-N S/N: 687624

Replaced the fuel pump with overhauled pump (P/N: 655921-3A1, S/N: B04IA189) from Consolidated Fuel Systems, Inc (CRS# 9KPR369B, WO# 100DC-0000). Replaced the fuel pump gasket (P/N: 649982) and two spark plugs (P/N: URHB32E) with new. Compression results: #1: 68/80, #2: 66/80, #3: 64/80, #4-72/80, #5: 66/80, #6: 70/80, M.O. 43/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48108-2). Examined old oil filter element, no contaminants found. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Cleaned, gapped and tested spark plugs. Rotated and re-installed spark plugs with new gaskets (P/N: M674). Set fuel pressures in accordance with TCM SID97-3G. Ground ran engine, leak and ops check good. No defects noted at this time. Verified AD's current through FAA AD biweekly 2016-14. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Peter E McClure A&P #IA 3657637

*Peter E McClure*



### ABSOLUTE AERO

MAINTENANCE  
22005 Skywest Drive, Hayward, CA 94541 - 510 782-6591



WORK ORDER: 1137 AIRCRAFT: N648CB HOBBS: 1261.3 TSOH: N/A TTE: 1261.3 DATE: 08/25/2016  
MODEL: Continental IO-550-N S/N: 687624

Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48108-2). Examined old oil filter element, no contaminants found. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

This engine is approved for return to service, for only the work performed.

Peter E McClure A&P 3657637

*Peter E McClure*

ENGINE MODEL: IO-550-N7B  
ENGINE S/N: 687624

DATE: 12/10/16  
HOBBS: 1293.2

**Engine Entries**

Drained and sampled oil. Removed and replaced oil filter with new (P/N AA48108-2). Cut open oil filter and checked for metal and contaminants. None found. Serviced with 7 quarts of Philipps X/C 20W50 and 1 pint of ASL Camguard. Checked Battery 1 – serviced with distilled water. Checked brake fluid reservoir – level good. Ran up engine - leak check good. Returned to service.

Signed:



**Suraj Nagaraj** Private Certificate 3373502

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



**ABSOLUTE AERO**  
MAINTENANCE  
22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**ENGINE ENTRY**

WORK ORDER: 1190 AIRCRAFT: N648CB HOBBS: 1293.3 TSOH: N/A TTE: 1293.3 DATE: 12/09/2016  
MODEL: Continental IO-550-N S/N: 687624

Replaced fuel injector nozzles with GAMInjectors kit (P/N: TIG550-12E, S/N: 25671) in accordance with STC SE09963SC, see FAA 337 form dated 12/09/2016. Adjusted idle mixture, speed and low fuel pump pressure. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with the Cirrus SR 22 and Continental IO-550 Service Manuals. -END

This engine is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565  
*[Signature]*



**ABSOLUTE AERO**  
MAINTENANCE  
22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**ENGINE ENTRY**

WORK ORDER: 1494 AIRCRAFT: N648CB HOBBS: 1365.0 TSOH: N/A TTE: 1365.0 DATE: 08/08/2017  
MODEL: Continental IO-550-N S/N: 687624

Replaced all twelve spark plugs with new (P/N: URHB32E). Re-timed both magnetos to engine. Cylinder compression results: #1: 71/80, #2: 62/80, #3: 61/80, #4: 61/80, #5: 72/80, #6: 70/80, M.O. 44/80. Drained and sampled oil. Removed and replaced oil filter with new (P/N: AA48108-2). Examined old oil filter element, no contaminants found. Serviced engine with 7 quarts of Phillips X/C 20W50 oil and 1 pint of ASL Camguard. Ground ran engine, leak and ops check good. No defects noted at this time. Verified AD's current through FAA AD biweekly 2017-16. All work completed in accordance with Cirrus SR22 and Continental Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Peter E McClure A&P / IA 1657637  
*[Signature]*
