

Service Information

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

If internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:

Continental Motors, Inc.
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

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



Continental Motors, Inc.

Production Certificate 508

Printed: 1/31/2013

Test Date: 1/30/2013

This engine model I0550N43B, serial number 1007887 was manufactured by 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 Continental Motors Service Bulletins.

Thomas Howard

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins


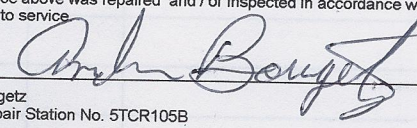

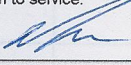
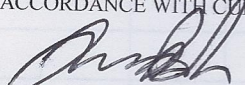
TNT Airworks, LLC
 11038 HWY 37
 Box 4, Hanger D
 Hibbing, MN 55746
 (218) 263-4238

Engine Log
 N96SB
 04-24-2013

Hobbs: 1261.0
 TTAF: 1261.0
 TSMOE: 0.0
 TTE: 0.0
 TSMOP: 0.0
 TTP: 0.0

Installed this engine on aircraft N96SB Cirrus SR22 serial number 0465. Engine installed with new 6-point engine mount and engine mount rubbers, new accessories as follows: New stand-by alternator B & C model BC410-1 serial number 0584613, new MT propeller, model MTV-14-D 195-30b, serial number 120183, installed new Champion RHB32E spark plugs, serviced engine with 8 quarts Aeroshell 100 uncompounded aircraft engine oil, pre-oiled engine, run-up and adjusted fuel system per TCM SID 97-3E, engine operational and leak checked satisfactory.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition at this date.
 Thomas D. Carlson 3026196 A & P
 Thomas D. Carlson 3026196 A & P IA

ENGINE MODEL: IO-550-N (7) ENGINE S/N: 1007887 REG. NO: N96SB WORK ORDER: 5501-06-2013		Twin Cities Aviation, Inc. Repair Station No. 5TCR105B 8891 Airport Rd #A-2 Blaine, Minnesota 55449 Phone: 763-784-9165	DATE: 6/14/2013 A/C TSN: 1287.2 ENG TT: 26.2 HOBS: 1287.2
Engine Entries			
Complied with 50 hour inspection, drained 25 hour mineral oil, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Exxon Elite 20W50 installed new Tempest AA48108-2 filter, torqued and safetied, checked lights, checked electrolyte level, serviced tires, ground run, ops check and leak check satisfactory. ---Removed connector for #6 CHT, re-crimped connector, added Stabilant 22 to connector to promote conductivity. Ops checked satisfactory.			
The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.			
DATE: 6/14/2013	SIGNED: 	Work Order: 5501-06-2013	Printed by EBis 3 (datcomedia.com)
ENGINE MODEL: IO-550-N (7) ENGINE S/N: 1007887 REG. NO: N96SB WORK ORDER: 5548-07-2013		Twin Cities Aviation, Inc. Repair Station No. 5TCR105B 8891 Airport Rd #A-2 Blaine, Minnesota 55449 Phone: 763-784-9165	DATE: 7/1/2013 A/C TSN: 1315.6 ENG TT: 54.6 HOBS: 1315.6
Engine Entries			
Complied with 50 hour inspection, drained oil, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Exxon Elite 20W50 installed new Tempest AA48108-2 filter, torqued and safetied, checked lights, checked electrolyte level, serviced tires, ground run, ops check and leak check satisfactory.			
The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.			
DATE: 7/1/2013	SIGNED: 	1 of 1	Work Order: 5548-07-2013
Printed by EBis 3 (datcomedia.com)			
July 18, 2013 N965B CONTINENTAL	CIRRUS SR22 IO 550 N43	S/N 0465 S/N 1007887	FLIGHT 1346.1 Hrs FLIGHT 85.1 Hrs
Removed top cowling, adjusted fuel flow up 1-2 gallons. Installed top cowling. THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.			
			
JIM BARKER A&P 2755069 Hangar (715) 822 5787 Cell (715) 491 1303 Email jim@aviationvibes.com		AVIATION RESOURCES, LLC 101 Airport Ave Hangar 7 Cumberland, WI 54829 www.aviationvibes.com	

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					
Carried forward →					

ENGINE MODEL: IO-550-N
(7)
ENGINE S/N: 1007887
REG. NO: N96SB
WORK ORDER:
5593-07-2013

Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 7/22/2013
A/C TSN: 1347.3
ENG TT: 86.3
HOBBS: 1347.3

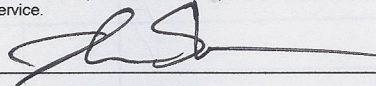
Engine Entries

Drained oil, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Exxon Elite 20W50 installed new Tempest AA48108-2 filter, torqued and safetied, checked lights, checked electrolyte level, serviced tires, ground run, ops check and leak check satisfactory.
---Downloaded engine data and found Cyl #6 EGT and CHT high. Inspected fuel system and found Cyl #6 fuel injector was loose. Tightened fuel injector and performed fuel setup IAW TCM SID97-3E. Operational check satisfactory.

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

DATE: 7/22/2013

SIGNED:



Work Order: 5593-07-2013

Josh Shea
Certified Repair Station No. 5TCR105B

Printed by EBis 3 (datcomedia.com)

August 1, 2013

N965B

CIRRUS SR22

S/N 0465

FLIGHT 1366.2 Hrs

CONTINENTAL

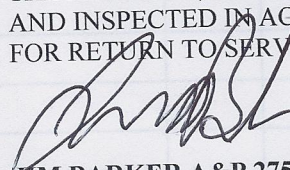
IO 550 N43

S/N 1007887

FLIGHT 105.2 Hrs

Removed cowling, removed and installed spark plugs w/new P/N URHB32S. Borescoped, checked good. Checked mag to engine timing, found left at +3.0° and right at +.8° from nominal, adjusted both to +.2° from nominal (22 degrees BTDC). Replaced all EGT/CHT connectors with ring terminals. Replaced #1 and #4 EGT probes w/new P/N 14554-001. Interchanged #4 and #6 fuel nozzles to original chambers. Bushings installed on air filter "T" and filter end caps. Ground run performed. Leak check and operational check found satisfactory. Closed aircraft. Flight test, adjusted fuel pressure. Flight test, good.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.



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Cumberland, WI 54829
www.aviationvibes.com

August 2, 2013

N965B

CIRRUS SR22

S/N 0465

FLIGHT 1368.4 Hrs

CONTINENTAL

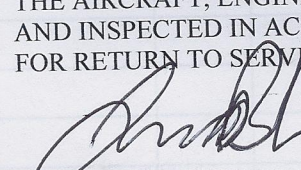
IO 550 N43

S/N 1007887

FLIGHT 107.4 Hrs

Removed cowling. Adjusted prop governor 2 turns out, interchanged #5 and #6, #1 and #2 fuel injector. Ground run performed. Leak check and operational check found satisfactory. Closed aircraft. Flight test, good.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.



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Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	

Engine Service and Maintenance Record

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carried forward →

December 12, 2013

N96SB CIRRUS SR22 S/N 0465 Hobbs 1433.9 Hrs
 CONTINENTAL IO 550 N43 S/N 1007887 Hobbs 1433.9 Hrs

Removed top cowling, drained oil, sample taken for Blackstone, filter removed and examined for contamination, none found. Installed new Tempest AA48109 filter, 7 quarts Phillips 20W50XC oil and camguard, Installed cowling. Ground run performed, removed top cowling and examined for leaks, none noted, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

[Signature]

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March 20, 2014

N96SB CIRRUS SR22 G1 S/N 0465 Hobbs 1456.2 Hrs
 CONTINENTAL IO-550-N43 S/N 1007887 Hobbs 1456.2 Hrs
 HARTZELL PHC-J3YF-1RF S/N FP8S68B

Accessed aircraft and performed annual inspection as described in Cirrus MM and FAR 43. Adjusted magneto to engine timing from left @ -5° to nominal off 22° BTDC, right did not need adjustment. Compression test performed, M/O 48/80, #1 78/80, #2 76/80, #3 73/80, #4 69/80, #5 75/80, #6 71/80. Borescope inspection performed and found satisfactory. Oil drained, filter removed, sample sent to Blackstone, no contamination on filter or drain plug. Installed new tempest AA48109 filter, 7 quarts 20W50XC oil and dose of camguard. Installed fuel line clamp on #3 fuel injector line. Ground run, found satisfactory.

THIS AIRCRAFT ENGINE, PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND A LIST OF DISCREPANCY HAS BEEN PRESENTED TO THE OWNER.

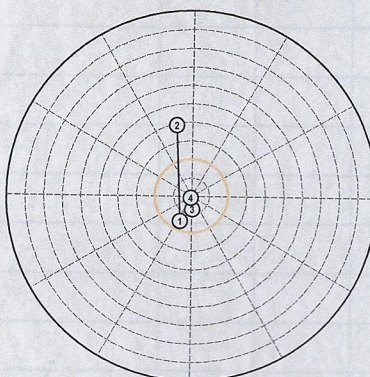
[Signature]

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ENG/PROP DYNAMICALLY BALANCED

----- POLAR PLOT - 1.0 IN/S FS -----



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Hartzell Service Instruction #145 and Chadwick Helmuth doc AW 9511-2 dated 12 June 1990 using DSS Microvib II equipment and application note AN-MV2 Prop Rev 00 1 July 2003. Initial IPS of .150 @ 2560 rpm reduced to .012 IPS @ 2553 rpm by installation of AN hardware balance weights on spinner rear bulkhead. Jim Barker A&P 2755069 Aviation Resources, LLC 101 Airport ave Hangar 7 Cumberland, WI 54829 Hangar (715) 822 5787 Cell (715) 491 1303 Jim@aviationvibes.com www.aviationvibes.com

N96SB Cirrus SR 22 G1 0465 1456.2 Hrs
 Cont/Hart 1007887
 Front of engine
 MicroVib II SN:1177 Cal:01/16/2014
 Initial: 0.150 IN/S @ 2560 RPM Final: 0.012 IN/S @ 2553.0 RPM

Oper: *[Signature]*
 Date: 03/18/2014 Jim Barker A&P 2755069

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					

May 21, 2014

N96SB

CONTINENTAL

HARTZELL

CIRRUS SR22 G1

IO-550-N43

PHC-J3YF-1RF

S/N 0465

S/N 1007887

S/N FP8268B

HOBBS 1491.3 Hrs

TTSNEW 192.2 Hrs

TTSNEW 71.7 Hrs

Removed cowling, drained oil, sample taken, removed filter and examined for contamination, none found, installed new filter, 7 quarts 100w Aeroshell can camguard dose. Replaced alternate air inlet seat hose near alternator #1. Installed cowling, ground run performed, removed top cowling and examined for leaks, none found, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


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Cumberland, WI 54829

www.aviationvibes.com

June 9, 2014

N96SB

CONTINENTAL

HARTZELL

CIRRUS SR22 G1

IO-550-N43

PHC-J3YF-1RF

S/N 0465

S/N 1007887

S/N FP8268B

HOBBS 1502.5 Hrs

TTSNEW 203.4 Hrs

TTSNEW 82.9 Hrs

Removed cowling, drained oil, sample taken, removed filter and examined for contamination, none found, installed new filter, 7 quarts 100w Aeroshell and camguard dose. Installed cowling, ground run performed, removed top cowling and examined for leaks, none found, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


SCOTT STANDAERT A&P 2807407

Hangar (715) 822 5787

Cell (715) 491 1303

Email jim@aviationvibes.com

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101 Airport Ave Hangar 7

Cumberland, WI 54829

www.aviationvibes.com

June 30, 2014

N96SB

CONTINENTAL

HARTZELL

CIRRUS SR22 G1

IO-550-N43

PHC-J3YF-1RF

S/N 0465

S/N 1007887

S/N FP8268B

HOBBS 1541.5 Hrs

TTSNEW 242.9 Hrs

TTSNEW 121.9 Hrs

Removed cowling, drained oil, sample taken, removed filter and examined for contamination, none found, installed new filter, 7 quarts 100w Aeroshell and camguard dose. Installed cowling, ground run performed, removed top cowling and examined for leaks, none found, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


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AVIATION RESOURCES, LLC

101 Airport Ave Hangar 7

Cumberland, WI 54829

www.aviationvibes.com

October 27, 2014

N96SB

CONTINENTAL

HARTZELL

CIRRUS SR22 G1

IO-550-N43

PHC-J3YF-1RF

S/N 0465

S/N 1007887

S/N FP8268B

HOBBS 1579.9 Hrs

TTSNEW 281.1 Hrs

TTSNEW 160.1 Hrs

Removed cowling, drained oil, sample taken, removed filter and examined for contamination, none found, installed new filter, 7 quarts Phillips 20W50XC and camguard dose. Removed #2 alternator, drive adapter, replaced garloc seal and paper seals (p/n 25102, 654012 and MS9134-01) and installed alternator. Removed MCU cover, cleaned contacts on #2 alternator header board connector, installed used logic module to troubleshoot, ground run check and replaced with original logic module, operation check found satisfactory. Installed cowling, ground run performed, removed top cowling and examined for leaks, none found, installed top cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.


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Cumberland, WI 54829

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ENGINE MODEL: IO-550-N
(43)
ENGINE S/N: 1007887
REG. NO: N96SB
WORK ORDER:
6790-02-2015



Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 2/20/2015
A/C TSN: 1616.8
ENG TT: 318
HOBBS: 1616.8

Engine Entries

Drained oil, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Phillips X/C 20W50 and 11oz CamGuard, installed new Champion oil filter P/N:CH48109-1, torqued and safetied, checked lights, checked electrolyte level, brake fluid, serviced tires, ground run, ops check and leak check satisfactory. Sent oil sample in for customer.

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

Carrie

DATE: 2/20/2015

SIGNED:

Work Order: 6790-02-2015

Wilder Morey
Certified Repair Station No. 5TCR105B

Printed by EBis 3 (datcomedia.com)

March 27, 2015

N96SB

CIRRUS SR22 G1

S/N 0465

Hobbs 1640.9 Hrs

CONTINENTAL

IO-550-N43

S/N 1007887

Hobbs 1640.9 Hrs

HARTZELL

PHC-J3YF-1RF

S/N FP8268B

Accessed aircraft and performed annual inspection as described in Cirrus MM and FAR 43. Adjusted magneto to engine timing from left @ +1° to nominal of 22° BTDC, right from +.5°. Compression test performed, M/O 41/80, #1 69/80, #2 71/80, #3 69/80, #4 71/80, #5 66/80, #6 71/80. Borescope inspection performed and found satisfactory. Oil drained, filter removed, sample sent to Blackstone, no contamination on filter or drain plug. Replaced induction air filter element with new. Removed all exhaust valve covers, accessed the guides and measured per TCM MM, found tight, flex honed to proper dimension and reassembled. Installed new tempest AA48109 filter, 7 quarts 20W50XC oil. Ground run, found satisfactory.

THIS AIRCRAFT ENGINE, PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069

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AVIATION RESOURCES, LLC

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Cumberland, WI 54829

www.aviationvibes.com

ENGINE MODEL: IO-550-N
(43)
ENGINE S/N: 1007887
REG. NO: N96SB
WORK ORDER:
6857-04-2015



Twin Cities Aviation, Inc.

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

DATE: 4/3/2015
A/C TSN: 1647
ENG TT: 348.2
HOBBS: 1647

Engine Entries

Complied with 50 hour inspection, drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts AeroShell 100W and 11 oz. of CamGuard, installed new CH48109-1 filter, torqued and safetied, checked lights, checked battery electrolyte level, serviced tires, ground run, ops check and leak check satisfactory.

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

DATE: 4/3/2015

SIGNED:

Work Order: 6857-04-2015

Trenton Wallman, A&P: 3579667

Printed by EBis 3 (datcomedia.com)

June 8, 2015

N96SB

CIRRUS SR22 G1

S/N 0465

HOBBS 1686.5 Hrs

CONTINENTAL

IO-550-N43

S/N 1007887

TTSNEW 387.7 Hrs

HARTZELL

PHC-J3YF-1RF

S/N FP8268B

TTSNEW Hrs

Removed cowling. Drained oil and removed filter. Took oil sample to route to Blackstone for analysis. Installed new Tempest filter P/N AA48109. Installed 7 quarts Aeroshell 100W and Camguard dose. Removed spark plugs; checked magneto-to-engine timing, found both +.4 from nominal (within CMI spec +/- 1 degree); no adjustments made. Cleaned plug leads on harness and plug ceramics; installed spark plugs and leads. Sealed baffle areas. Ground run performed; leak check and ops check good. Installed cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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AVIATION RESOURCES, LLC

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Cumberland, WI 54829

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Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

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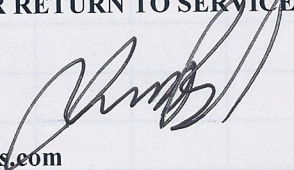
June 30, 2015

N96SB CIRRUS SR22 G1 S/N 0465 HOBBS 1721.3 Hrs
CONTINENTAL IO-550-N43 S/N 1007887 TTSNEW 422.5 Hrs
HARTZELL PHC-J3YF-1RF S/N FP8268B TTSNEW Hrs

Removed cowling. Drained oil and removed filter. Took oil sample to route to Blackstone for analysis. Installed new Tempest filter P/N AA48109. Installed 7 quarts Aeroshell 100W and Camguard dose. Removed #5 fuel injector, cleaned and installed, leak check found satisfactory. Ground run performed; leak check and ops check good. Installed cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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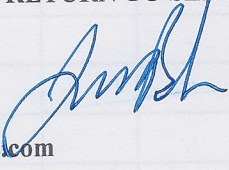
October 27, 2015

N96SB CIRRUS SR22 G1 S/N 0465 HOBBS 1767.2 Hrs
CONTINENTAL IO-550-N43 S/N 1007887 TTSNEW 468.4 Hrs
HARTZELL PHC-J3YF-1RF S/N FP8268B TTSNEW Hrs

Removed cowling. Drained oil and removed filter. Took oil sample to route to Blackstone for analysis. Installed new Tempest filter P/N AA48109. Installed 7 quarts Phillips 20W50XC oil and .5 oz/quart Camguard dose. Ground run performed; leak check and ops check good. Installed cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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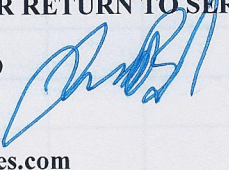
November 20th, 2015

N96SB CIRRUS SR22 G1 S/N 0465 HOBBS 1801.0 Hrs
CONTINENTAL IO-550-N43 S/N 1007887 TTSNEW 502.2 Hrs
HARTZELL PHC-J3YF-1RF S/N FP8268B TTSNEW Hrs

Removed cowling. Drained oil and removed filter. Took oil sample to route to Blackstone for analysis. Installed new Tempest filter P/N AA48109. Installed 6.5 quarts Phillips 20W50XC oil and .5 oz/quart Camguard dose. Ground run performed; leak check and ops check good. Installed cowling.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

Jim Barker A&P 2755069
Hangar (715) 822 5787
Cell (715) 491 1303
Email jim@aviationvibes.com



AVIATION RESOURCES, LLC
101 Airport Avenue, Hangar 7
Cumberland, WI 54829
www.aviationvibes.com

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					

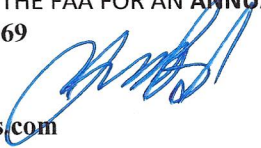
March 25, 2016

N96SB **CIRRUS SR22 G1** **S/N 0465** **HOBBS** **1825.1 Hrs**
CONTINENTAL **IO-550-N43** **S/N 1007887** **TTSNEW** **526.3 Hrs**
HARTZELL **PHC-J3YF-1RF** **S/N FP8268B** **TTSNEW** **405.5 Hrs**

Performed ground run. Removed cowling. Performed compression test - #1 67, #2 69, #3 68, #4 72, #5 64, #6 63 - M/O 41. Borescope inspection found satisfactory. Removed spark plugs; gap checked and resistance checked; cleaned lead spring end contacts; anti-seized, and reinstalled. Removed and cleaned magnetic drain plug. Drained oil; took oil sample to route to Blackstone for analysis. Filter inspected; no contamination noted. Installed new Tempest oil filter P/N AA48109 and serviced with 7 quarts of 20W50XC. Removed and replaced air filter with P/N BA24. Removed and cleaned gascolator; checked lines for security; reinstalled. Lubricated throttle, prop control rods, and mixture rods. Adjusted magneto-to-engine timing from left @ +.2° and right from +.8° of nominal from 22° BTDC to both at 22° BTDC. Engine-driven/electric fuel pump leak check found satisfactory. Checked alternate air door; found satisfactory. Checked oil breather tube and relief hole; found satisfactory. Cleaned #3 and #5 fuel injectors and reinstalled. Adjusted for clearance 2 TKS prop blade feed tube. Tightened terminal on Alt #1 field ground. Reinstalled cowling. Performed ground run and leak check; found satisfactory.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN **ANNUAL INSPECTION** AND IS APPROVED FOR RETURN TO SERVICE.

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Cumberland, WI 54829
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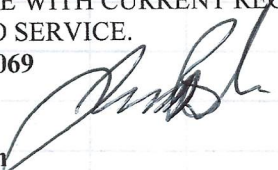
May 6, 2016

N96SB **CIRRUS SR22 G1** **S/N 0465** **HOBBS** **1872.2 Hrs**
CONTINENTAL **IO-550-N43** **S/N 1007887** **TTSNEW** **573.4 Hrs**
HARTZELL **PHC-J3YF-1RF** **S/N FP8268B** **TTSNEW** **452.6 Hrs**

Removed cowling. Drained oil; took oil sample to route to Blackstone for analysis. Oil filter inspected; no contamination noted. Installed new Tempest oil filter AA48109 and serviced with 7 quarts of W100 and 1/3 dose of Camguard. Performed ground run and leak check; found satisfactory. Reinstalled cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS **REPAIRED** IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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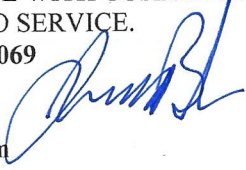
July 22, 2016

N96SB **CIRRUS SR22 G1** **S/N 0465** **Hobbs** **1902.5 Hrs**
CONTINENTAL **IO 550 N43** **S/N 1007887** **Hobbs** **1902.5 Hrs**
HARTZELL **PHC-J3YF-1RF** **S/N FP8268B** **Hobbs** **1902.5 Hrs**

Removed cowling. Drained oil; took oil sample to route to Blackstone for analysis. Oil filter inspected; no contamination noted. Installed new Tempest oil filter AA48109 and serviced with 7 quarts of Aero Shell 100 Mineral and 1/2 dose of Camguard. Serviced tires with air, outgoing air pressure – right 78 PSI, nose 68 PSI, left 78 PSI. Performed ground run and leak check; found satisfactory. Reinstalled cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS **REPAIRED** IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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actives,

September 19, 2016

N96SB	CIRRUS SR22 G1	S/N 0465	Hobbs 1939.0 Hrs
CONTINENTAL	IO 550 N43	S/N 1007887	TT 640.2 Hrs
HARTZELL	PHC-J3YF-1RF	S/N FP8268B	TT 519.4 Hrs

Removed cowling, drained oil, sample taken for Blackstone, removed filter and examined for contamination, none found. Installed new Tempest filter P/N AA48109 and 7 quarts Phillips 20W50XC oil. Installed "Beveled tip tailpipe" P/N AR6005-101 (PMA PQ04276CE) replacing factory tailpipes. Installed each tailpipe with new springs, nuts, bolts, washers and ground strap. Installed new ring terminals on #6 CHT probe and lead wire. Installed new #5 EGT probe P/N 14554-001 with ring terminals. Adjusted tire pressure, nose 57.5 to 65.0(Psi), right main was 70.5 to 80.0(Psi), left main was 67.5 to 80.0(Psi). Ground run performed, no leaks noted, installed cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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Carr

September 19, 2016

N96SB	CIRRUS SR22 G1	S/N 0465	Hobbs 1939.0 Hrs
CONTINENTAL	IO 550 N43	S/N 1007887	TT 640.2 Hrs
HARTZELL	PHC-J3YF-1RF	S/N FP8268B	TT 519.4 Hrs

Removed cowling, checked and timed magnetos. Installed cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

SCOTT STANDAERT A&P 2807407

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Cell (715) 491 1303

Email jim@aviationvibes.com



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November 1, 2016

N96SB	CIRRUS SR22 G1	S/N 0465	Hobbs	1969.8 Hrs
CONTINENTAL	IO-550-N43	S/N 1007887	TTSNEW	671.10 Hrs
HARTZELL	PHC-J3YF-1RF	S/N FP8268B	TTSNEW	550.3 Hrs

Removed cowling, drained oil, sample taken for Blackstone, removed filter and examined for contamination, none found. Installed new Tempest filter P/N AA48109 and 7 quarts Phillips 20W50XC oil and 1/3 dose camguard. Serviced oxygen to full. Ground run performed, no leaks noted, installed cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

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↑
Duplicate -
corrected prop
serial #

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Carried forward →

March 3, 2017
N96SB CIRRUS SR22 G1 S/N 0465 Hobbs 2009.0 Hrs
CONTINENTAL IO-550-N43 S/N 1007887 TTSNEW 710.3 Hrs
HARTZELL PHC-J3YF-1RF S/N FP8268B TTSNEW 589.5 Hrs

Performed ground run. Removed cowling. Performed compression test - #1 70/80, #2 68/80, #3 73/80, #4 71/80, #5 71/80, and #6 68/80 - M/O 42. Borescope inspection; found satisfactory. Removed spark plugs; gap checked and resistance checked; cleaned lead spring contacts; anti-seized, and reinstalled. Removed and cleaned magnetic drain plug, found normal debris. Drained oil; took oil sample to route to Blackstone for analysis. Oil filter inspected; no contamination noted. Installed new Tempest oil filter AA48109 and serviced with 7 quarts of Phillips 20W50XC oil and 1/3 dose of Camguard. Removed and replaced air filter with new; P/N: BA24. Lubricated throttle, prop control rods, and mixture rods. Adjusted magneto-to-engine timing from left @ 22° and from right 20.7° of nominal BTDC to both at 22° BTDC. Engine-driven/electric fuel pump leak check found satisfactory. Checked alternate air door; found satisfactory. Checked oil breather tube and relief hole; found satisfactory. Fabricated reinforcement panel and riveted engine baffle. Replaced rear right side engine to air baffle support bracket. Clamped Airwolf air/oil separator outlet drain hose to engine mount. Performed ground run and leak check; found satisfactory. Reinstalled cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

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Cumberland, WI 54829
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SERVICEABLE PARTS TAG

W. O. NO. 29556 SER. NO. D14DA361R
OWNER Aviation Resources PART NO. 10-500556-1
PART NAME Bendix 56R5C-25 mag.
REMARKS 500 hr. inspection and test mag.
AD2005-12-06 N/A by Engine Model No. AD94-06-09 capacitor OK. AD94-01-03R2 N/A by Serial No. AD82-20-01 N/A by Model No.
DATE 10-7-16 INSPECTOR Timothy J. Kiel

SERVICEABLE PARTS TAG

W. O. NO. 29555 SER. NO. D14DA360R
OWNER Aviation Resources PART NO. 10-500556-1
PART NAME Bendix 56R5C-25 mag.
REMARKS 500 hr. inspection and t-st mag.
AD2005-12-06 N/A by Engine Model No. AD94-06-09 capacitor OK. AD94-01-03R2 N/A by Serial No. AD82-20-01 N/A by Model No.
DATE 10-7-16 INSPECTOR Timothy J. Kiel

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

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

Work Order No. 29556 Date 10-7-16

Signed *Timothy J. Hill*

BOLDUC AVIATION SPECIALIZED SERVICES, INC.

Anoka County Airport
8891 Airport Road
Minneapolis, MN 55449
FAA Approved Repair Station KM5R993M

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

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

Work Order No. 29555 Date 10-7-16

Signed *Timothy J. Hill*

BOLDUC AVIATION SPECIALIZED SERVICES, INC.

Anoka County Airport
8891 Airport Road
Minneapolis, MN 55449
FAA Approved Repair Station KM5R993M

April 6, 2017

N96SB

CIRRUS SR22

S/N 0465

Hobbs 2028.2 Hrs

CONTINENTAL IO550 N43B

S/N 1007887

TTSNEW 729.5 Hrs

HARTZELL

PHC-J3YF-1RF

S/N FP8268B

TTSNEW 608.7 Hrs

Performed ground run. Removed cowling. Drained oil, sample taken for Blackstone, removed filter and examined for contamination, none found. Installed new Tempest filter P/N AA48109 and 7 quarts Phillips 20W50XC oil and 1/3 dose camguard. Removed right magneto s/n: D12LA107 and left mag s/n: D12LA100 and installed 500 hour inspected units; right s/n: D14DA360R-Bolduc w/o: 29555, and left s/n: D14DA361R, Bolduc w/o: 29556 and timed to 22° BTDC. Performed ground run and leak check; found satisfactory. Reinstalled cowling.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069

Hangar (715) 822 5787

Cell (715) 491 1303

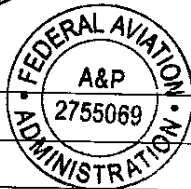
Email jim@aviationvibes.com

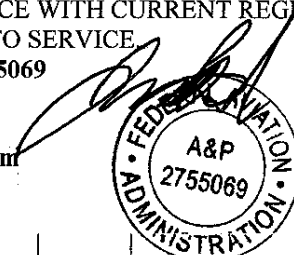

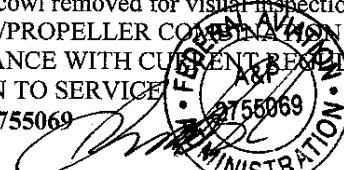

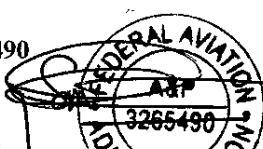
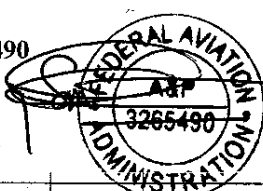
AVIATION RESOURCES, LLC

101 Airport Ave, Hangar #7

Cumberland, WI 54829

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carrie April 28, 2017					
N96SB	CIRRUS SR22	S/N 0465	Hobbs 2057.6 Hrs		
Continental	IO-550-N (43)	S/N 1007887	TTSNEW 758.9 Hrs		
Hartzell	PHC-J3YF-1RF	S/N FP8268B	TTSNEW 638.10 Hrs		
<p>Removed cowling. Adjusted magneto-to-engine timing to both at 23° BTDC.CMI limit is 22° +1/-1. Drained oil, sample taken for Blackstone, Removed filter and examined for contamination normal minimal debris noted. Installed new Tempest AA 48109 filter and 7 quarts Phillips 20W50XC oil. Installed cowling. Ground run performed and found satisfactory. Top cowl removed for visual inspection of leaks; none noted. Reinstalled cowling.</p> <p>THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>JIM BARKER A&P/IA 2755069 Hangar (715) 822 5787 Cell (715) 491 1303 Email jim@aviationvibes.com</p> <p style="text-align: right;">AVIATION RESOURCES, LLC 101 Airport Ave, Hangar #7 Cumberland, WI 54829 www.aviationvibes.com</p>					
 					
June 7, 2017					
N96SB	CIRRUS SR22	S/N 0465	Hobbs 2093.0 Hrs		
Continental	IO-550-N (43)	S/N 1007887	TTSNEW 794.3 Hrs		
Hartzell	PHC-J3YF-1RF	S/N FP8268B	TTSNEW 673.5 Hrs		
<p>Removed cowling. Checked magneto-to-engine timing; found at nominal, no change made. Drained oil, sample taken for Blackstone, Removed filter and examined for contamination normal minimal debris noted. Installed new Tempest AA48109 filter and 7 quarts W100 oil. Installed cowling. Ground run performed and found satisfactory. Top cowl removed for visual inspection of leaks; none noted. Reinstalled cowling.</p> <p>THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>JIM BARKER A&P/IA 2755069 Hangar (715) 822 5787 Cell (715) 491 1303 Email jim@aviationvibes.com</p> <p style="text-align: right;">AVIATION RESOURCES, LLC 101 Airport Ave, Hangar #7 Cumberland, WI 54829 www.aviationvibes.com</p>					
 					
June 29, 2017					
N96SB	CIRRUS SR22	S/N 0465	Hobbs 2130.2 Hrs		
Continental	IO-550-N (43)	S/N 1007887	TTSNEW 831.2 Hrs		
Hartzell	PHC-J3YF-1RF	S/N FP8268B	TTSNEW 710.4 Hrs		
<p>Performed ground run. Removed cowling. Drained oil, sample taken for Blackstone, removed filter and examined for contamination, none found. Installed new Tempest filter P/N AA48109 and 7 quarts Aeroshell W100 oil. Serviced tires with air, outgoing air pressure - right 75 PSI, nose 65 PSI, left 75 PSI. Serviced battery #1 with distilled water. Ground run performed, no leaks noted, installed cowling (Refer to Job# 96SB31 for details.).</p> <p>THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>OTIENO ODUOR A&P/IA 3265490 Hangar (715) 822 5787 Cell (715) 491 1303 Email otieno@aviationvibes.com</p> <p style="text-align: right;">AVIATION RESOURCES, LLC 101 Airport Ave, Hangar #7 Cumberland, WI 54829 www.aviationvibes.com</p>					
 					

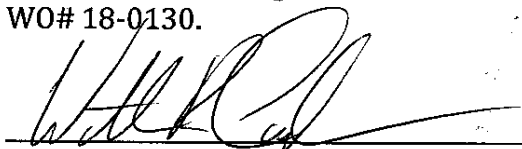
**Powermaster Aircraft Engines
9027 S. Airport Way
Tulsa OK 74132
918-299-0269
FAA CRS P46R287Y**

Engine Repair Record

Date- 1-30-2018
Engine Make- Continental
Model- IO-550N
Serial Number- 1007887
Engine Total Time- _____

PAE Work Order 18-0130

Disassembled engine, cleaned and inspected.
Crankshaft Ultrasonic Inspected and balanced by Aircraft Specialties on WO#246506.
Connecting Rods magnafluxed, rebushed and balanced by Aircraft Specialties on WO#246506.
Reassembled connecting rods on crankshaft using new connecting rod bearings, rod bolts and nuts.
Assembled crankcase using new main bearings, nose seal, all gaskets and seals.
PN-654084 Camshaft installed, certified by Aircraft Specialties on WO#245837.
Installed overhauled hydraulic lifter assemblies, PN-653877-6, and PN-653888-6.
Cylinders- Cleaned, inspected, replaced exhaust guides, ground seats, lapped new valves to seats, assembled valves in heads using new valve springs, retainers, intake guide seals and roto coils. Honed barrels to ring finish. Cleaned and inspected pistons, installed new rings on pistons, installed in cylinders.
Installed cylinders on engine and torqued. Installed 6 each new Exhaust rocker arms PN-658745 and new rocker shafts.
Reassembled oil pump after inspection, installed on engine. Installed starter adapter, no work performed on this unit at this time.
Completed assemble of engine in accordance with CMI Overhaul manual M-16.
Engine test run completed using Phillips 20W50 engine oil. Set fuel flow and oil pressures. Drained oil, removed and cut filter, examined for contaminates, none found, installed new oil filter.
Prepared engine for shipment.
The engine and accessories listed above have been inspected and Repaired in accordance with current FAA regulations and were found airworthy for return to service.
WO# 18-0130.


William R. Cunningham
FAA CRS P46R287Y

POWERMASTER 6506

1. Approving Civil Aviation Authority / Country FAA / United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG			3. Form Tracking No: ASI-094190	
4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. PHONE: (918) 836-6872 2860 NORTH SHERIDAN ROAD FAX: (918) 836-4419 TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K				5. Work Order/ Contract/Invoice No. 246506		
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work	
1.	CRANKSHAFT	CONTINENTAL IO-550N SUBASSEMBLY	1	N12JA258	REPAIRED	

12. Remarks

BALANCED ROTATING ASSEMBLY IAW AS²I PROCEDURE 98-002 DT: 10 AUG 1998
ULTRASONIC INSPECTION IAW CMI MSB 96-10B DT: 10 AUG 2015
ADDITIONAL INSPECTION MAY BE REQUIRED BY O/H MANUAL

PART TRACKING NO: S246506-1

NOTE: AS²I = AIRCRAFT SPECIALTIES SERVICES, INC.

CONTINENTAL IO-550N
CRANKSHAFT

13a. Certifies the items identified above were manufactured in conformity to <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature	13c. Approval/ Authorization No	14b. Authorized Signature	14c. Approval/Certificate No. DD2R764K
13d. Name (Typed or Printed)	13e. Date (dd/mm/yyyy)	14d. Name (Typed or Printed) Harold Lehman	14e. Date (dd/mm/yyyy) 05 JAN 2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking No: ASI-094157
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4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. 2860 NORTH SHERIDAN ROAD TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K	PHONE: (918) 836-6872 FAX: (918) 836-4419	5. Work Order/ Contract/Invoice No. 246506
--	--	--

6 Item	7 Description	8 Part Number	9 Quantity	10 Serial Number	11 Status/Work
1	GEAR	CONTINENTAL IO-550N SUBASSEMBLY	3	N/A	INSPECTED

12 Remarks
PERFORMED MAGNETIC PARTICLE INSPECTION IAW ASTM E1444/E1444M-16E1 DT: 01 JUN 2016
ADDITIONAL INSPECTION MAY BE REQUIRED BY O/H MANUAL

PART TRACKING NO: S246506-4

6 CYLINDER INTERNAL

13a. Certifies the items identified above were manufactured in conformity to

 Approved design data and are in a condition for safe operation

 Non-approved design data specified in Block 12

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature	13c. Approval/ Authorization No.	14b. Authorized Signature	14c. Approval/Certificate No. DD2R764K
13d. Name (Typed or Printed)	13e. Date (dd/mm/yyyy)	14d. Name (Typed or Printed) Harold Lehman	14e. Date (dd/mm/yyyy) 05 JAN 2018

User/Installer Responsibilities

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Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking No: ASI-094158
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4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. 2860 NORTH SHERIDAN ROAD TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K	PHONE: (918) 836-6872 FAX: (918) 836-4419	5. Work Order/ Contract/Invoice No. 246506
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6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work
1	HARDWARE	CONTINENTAL IO-550N SUBASSEMBLY	1	N/A	INSPECTED

12. Remarks
PERFORMED MAGNETIC PARTICLE INSPECTION IAW ASTM E1444/E1444M-16E1 DT: 01 JUN 2016
ADDITIONAL INSPECTION MAY BE REQUIRED BY O/H MANUAL

PART TRACKING NO: S246506-4

6 CYLINDER INTERNAL

13a. Certifies the items identified above were manufactured in conformity to <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
--	--

13b. Authorized Signature	13c. Approval/ Authorization No.	14b. Authorized Signature	14c. Approval/Certificate No. DD2R764K
13d. Name (Typed or Printed)	13e. Date (dd/mmm/yyyy)	14d. Name (Typed or Printed) Harold Lehman	14e. Date (dd/mmm/yyyy) 05 JAN 2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority / Country FAA / United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking No: ASI-092663
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4. Organization AIRCRAFT SPECIALTIES SERVICES, INC. PHONE: (918) 836-6872 2860 NORTH SHERIDAN ROAD FAX: (918) 836-4419 TULSA, OK 74115 FAA REPAIR STATION NO. DD2R764K	5. Work Order/ Contract/Invoice No. 245837
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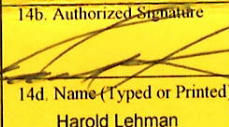
6 Item	7 Description	8 Part Number	9 Quantity	10 Serial Number	11 Status/Work
1	CAMSHAFT	654084	1	N/A	REPAIRED

12 Remarks
 PERFORMED MAGNETIC PARTICLE INSPECTION IAW ASTM E1444/E1444M-16E1 DT: 01 JUN 2016
 PERFORMED DIMENSIONAL CHECK IAW AS^T REPAIR PROCEDURE 0812006 REV. 1 DT: 18 AUG 2006
 GROUND LOBES IAW AS^T REPAIR PROCEDURE 0812006 REV. 1 DT: 18 AUG 2006
 APPLIED MANGANESE PHOSPHATE IAW AS^T REPAIR PROCEDURE 0812006 REV. 1 DT: 18 AUG 2006
 INSTALLED OIL CONTROL PLUG IAW AS^T REPAIR PROCEDURE 0812006 REV. 1 DT: 18 AUG 2006

PART TRACKING NO: S245837-3
 NOTE: AS^T - AIRCRAFT SPECIALTIES SERVICES, INC.

654084
CAMSHAFT

13a. Certifies the items identified above were manufactured in conformity to <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 12	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service
--	---

13b. Authorized Signature	13c. Approval/ Authorization No. DD2R764K	14b. Authorized Signature 	14c. Approval/Certificate No. DD2R764K
13d. Name (Typed or Printed)	13e. Date (dd/mm/yyyy)	14d. Name (Typed or Printed) Harold Lehman	14e. Date (dd/mm/yyyy) 04 DEC 2017

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country: FAA/United States	AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 510348
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4. Organization Name and Address Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615	PC #508	5. Work Order/Contract/Invoice Number: <small>EPN</small> 608779 <small>Case</small> 0000236062
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6. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	ROCKER ASSEMBLY-VALVE, EXHAL	658745	10	N/A	NEW

12. Remarks:
 AIRWORTHINESS APPROVAL

13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	14. Approval/Authorization No.: 937042831
---	---

13b. Authorized Signature: <i>Thomas H Howard</i>	13c. Approval/Authorization No.: 937042831	14a. Authorized Signature:	14c. Approval/Authorization No.:
13d. Name (Typed or Printed): Thomas H. Howard	13e. Date (dd/mm/yyyy): 18/Sep/2017	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block I, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block I.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

AVIALL-TRUE CERTIFIED COPY | 10/25/2017 | Ship #: 8005090214 | Line: 10 | 7364659914 | Qty: 7 | CPO: 4716

P.O. 4716

1. Approving National Aviation Authority/Country: FAA/United States	AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 247297
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4. Organization Name and Address: Continental Motors, 2039 Broad Street, Mobile, Alabama 36615	PC #508 5. Work Order/Contract/Invoice Number: WPN: 322473 Case: 0000109203
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6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	ENGINE - NEW	IO550N43	N/A	1	See Block 13	New

13. Remarks:

Airworthiness Approval - Engine
 Total Time: 0
 Preservation: This Engine was treated 01/31/13 for one hundred eighty days corrosion protection.

Serial/Batch Number(s):

Serial	Description
1007887	ENGINE - NEW

14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	<input type="checkbox"/> Return to Service <input type="checkbox"/> Other condition specified in Block 13 <small>Certifies that, unless otherwise specified in Block 13, the work performed in Block 12 and this entry in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to which the aircraft are approved for return to service.</small>
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15. Authorized Signature: <i>Daniel L. Nicholas</i>	16. Approval/Authorization No.: DMIR-511010-CE	20. Authorized Signature	21. Approval/Authorization No.
17. Name (Typed or Printed): Daniel L. Nicholas	18. Date (m/d/y): Jan/31/2013	22. Name (Typed or Printed)	23. Date (m/d/y)

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before aircraft may be flown.

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carrier

May 2, 2018

N96SB CIRRUS SR22 S/N 0465 Hobbs 2191.3 Hrs
 Continental IO-550-N (43) S/N 1007887 TSOH 892.6 Hrs TSR 28.5 Hrs
 Hartzell PHC-J3YF-1RF S/N FP8268B TSOH 771.8 Hrs

Removed cowling. Drained oil, sample taken for Blackstone, removed filter and examined for contamination, none found. Installed new Tempest filter P/N AA48109 and 7 quarts 20W50XC oil. Performed ground run and leak check; found satisfactory. Installed cowling (Refer to Job #96SB33 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

SCOTT STANDAERT A&P/IA 2807407
 Hangar (715) 822 5787
 Cell (715) 491 1303
 Email jim@aviationvibes.com



AVIATION RESOURCES, LLC
 101 Airport Ave, Hangar #7
 Cumberland, WI 54829
 www.aviationvibes.com

ENGINE MODEL: IO-550-N (43)
 ENGINE S/N: 1007887
 REG. NO: N96SB
 WORK ORDER: 8727-05-2018




Repair Station No. 5TCR105B
 8891 Airport Road A2
 Blaine, MN 55449
 Phone: 763-784-9165

DATE: 6/5/2018
 A/C TSN: 2205
 ENG TT: 906.2
 HOBBS: 2205

Engine Entries

C/W a Annual Engine Inspection IAW Cirrus SR 22 MM and IG. AD's researched to date. Researched Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of Phillips 20w50 X/C and a new Tempest AA48108-2 filter installed. Quick drain verified closed and filter torqued and safetied. R&R induction air filter w/ new BA-24. Cleaned, inspected, gapped and tested spark plugs. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3. Cleaned cylinders with corrosion cleaner. Compression: #1 - 75/80, #2 - 68/80, #3 - 73/80, #4 - 71/80, #5 - 66/80, #6 - 72/80. TCM min for day 44/80. External magneto timing checked and adjusted to 22 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed: Engine has been inspected after accidental hangar deployment of AFFF fire suppression foam. ---Removed both Mags and sent to Horizon Aircraft Engine Services, LLC for 500hr inspection. Re-installed Mags. after inspection and firm'd to engine IAW AMM. Leak and functional check satisfactory. Next inspection due at Hobbs:2705.

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

DATE: 6/5/2018 SIGNED:  Work Order: 8727-05-2018
 Josh Shea
 Certified Repair Station No. 5TCR105B Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IC-550-N (43)
ENGINE S/N: 1007887
REG. NO: N96SB
WORK ORDER: 8808-08-2018



Repair Station No. 5TCR105B
8891 Airport Road A2
Blaine, MN 55449
Phone: 763-784-9165

DATE: 8/24/2018
A/C TSN: 2219.9
ENG TT: 921.1
HOBBS: 2219.9

Engine Entries

Removed ALT #1 P/N 649305 S/N S/N 0L2LA005 for failure during flight. Found alternator with an erratic resistance in the windings. Installed overhauled alternator P/N 649304 S/N C033580 IAW manufactures installation instructions. Performed ground run, operational check satisfactory.

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

DATE: 8/24/2018

SIGNED:

A handwritten signature in black ink, appearing to read 'J. Shea', written over a horizontal line.

Work Order: 8808-08-2018

Josh Shea
Certified Repair Station No. 5TCR105B

Printed by EBis 3 (datcomedia.com)

January 3, 2019

N96SB	CIRRUS SR22	S/N 0465	Hobbs 2244.5 Hrs
Continental	IO-550-N (43)	S/N 1007887	TSOH 945.7 Hrs TSR 81.7 Hrs
Hartzell	PHC-J3YF-1RF	S/N FP8268B	TSOH 825.0 Hrs

Removed cowling. Removed IO-550-N engine S/N 1007887. Removed rocker arms, push rods and housings, and lifter bodies. Fogged cylinders and cam with Corrosion X. (Refer to Job#96SB35 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS **REPAIRED** IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

Scott Standaert A&P/IA 2807407

Hangar (715) 822 5787

Cell (715) 491 1303

Email jim@aviationvibes.com



AVIATION RESOURCES, LLC
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