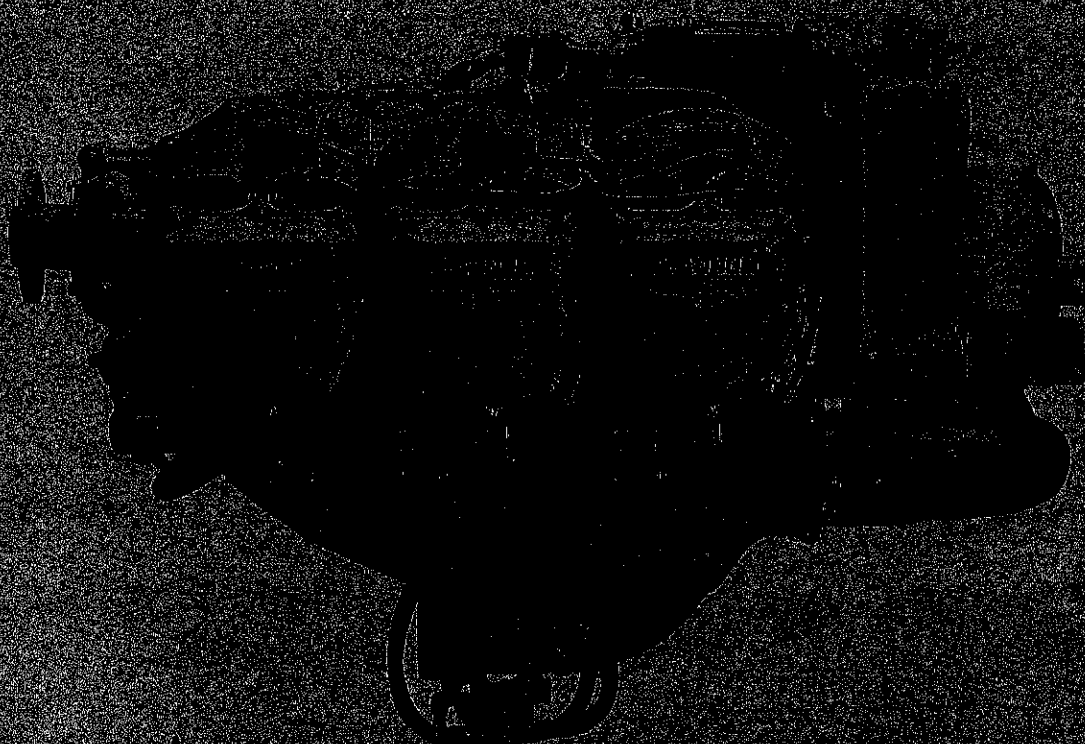


ETT: 1821.4

AGT: 1821.4

PLATINUM ENGINE LOG BOOK



9985/121279


STEEL AVIA






CONTINENTAL MOTORS


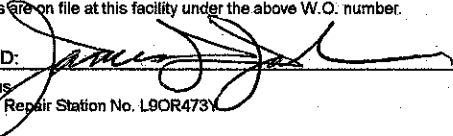
ID-550-N

S/N 691327

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
8/30/07	5	.9			<p>THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE SE10589SC</p> <p>CDC  on AUG 30 2007 Cirrus Design Corporation Duluth, MN USA PC# 338CE</p>

Date 9/20/2007		 WOODLAND AVIATION	Engine Logbook Entry AIRCRAFT: N 833KA		S/N 2668
W/O# 8205			CRS AWKR298C		
Watts Woodland Airport, Woodland, CA 95695					
Tach Time	39.9	CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT. NO DISCREPANCIES NOTED. OIL SAMPLE TAKEN AND SENT FOR ANALYSIS. INSTALLED NEW			
Eng TSN	39.9	FILTER AND SERVICED ENGINE WITH 7 QUARTS EXXON 20W50. RUN UP AND LEAK CHECK NORMAL.			
TTAF	39.9	<p>The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: </p> <p>Douglas E. Barton</p>			

Date 10/9/2007		 WOODLAND AVIATION	Engine Logbook Entry AIRCRAFT: N 833KA		S/N 2668
W/O# 8256			CRS AWKR298C		
Watts Woodland Airport, Woodland, CA 95695					
Tach Time	74.6	PERFORMED 50 HOUR SERVICE, CHANGED OIL AND FILTER, SERVICED ENGINE WITH 7 QUARTS AERO SHEEL 15W/50 OIL. CUT AND INSPECTED FILTER, NO DEFECTS NOTED. OIL SAMPLE TAKEN AND			
Eng TSN	74.6	SENT FOR ANALYSIS. CLEANED, INSPECTED, TESTED AND REINSTALLED ALL ENGINE SPARK PLUGS. OPERATIONAL AND LEAK CHECKED NORMAL.			
TTAF	74.6	<p>The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: </p> <p>Damon Schmidt</p>			

ENGINE MODEL: IO-550-N ENGINE S/N: 691327 REG. NO: N833KA WORK ORDER: 3248-01-2008	 Lone Mountain Aviation, Inc. Repair Station No. L9OR473Y 2850 N. Rancho Dr. Suite A Las Vegas, NV 89130 Phone: (702) 309-2200	DATE: 2/8/2008 A/C TSN: 142.4 ENG TT: 32.9 TACH: 116.8
Engine Entries Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 Qts AS 100W Plus. Engine run and leak check good.... Oil sample taken		
The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.		
DATE: 2/8/2008	SIGNED:  Jim Jakus Certified Repair Station No. L9OR473Y	Work Order: 3248-01-2008 Printed by EBis 3 (datcomedia.com)

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

Brought Forw

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: N833KA
WORK ORDER:
3514-05-2008



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 5/13/2008
A/C TSN: 197.5
ENG TT: 197.5
HOBBS: 164

Engine Entries

Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 qts AS 100W Plus. Engine run and leak check good.... Oil sample taken....

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 5/13/2008

SIGNED: *Kenneth Scheyado*

Kenneth Scheyado
Certified Repair Station No. L9OR473Y

Work Order: 3514-05-2008

Printed by EBis 3 (datcomedia.com)

L J O L

April 17, 2008
N833KA Cirrus SR22
S/N: 2668
Hour Meter: 177.2

Mather Aviation LLC
Mather Airport
FAA CRS No. PCPR439B
WO#: 414010

Flight: 146.3

This is a permanent part of the Engine Records.

1. Troubleshooting rough engine opened cowl and found spark plug leads not torqued correctly. #3 and #5 bottom leads completely separated from the spark plugs. Torqued all leads as required. Engine run normal no defects noted.

Technician(s): R. Vosburg

The aircraft and/or component identified above has been repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service with respect to the work performed.

Inspector: *John Verderber*

J. Verderber for
CRS# PCPR439B

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: N833KA
WORK ORDER:
3755-08-2008



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 9/10/2008
A/C TSN: 242.9
ENG TT: 236.4
HOBBS: 202.9

Engine Entries

I certify this engine has been inspected IAW a 100 hour inspection and was found to be in an airworthy condition.... Changed oil and filter. Cut open filter and checked for metal. None found. Serviced with 8 qts. Aero Shell 100W PLUS. Engine run and leak check good.... Oil sample taken.... Completed compression check with the following results: #1 72, #2 76, #3 71, #4 76, #5 72, #6 76.... Complied with TCM Top Care Inspection Checklist... Completed Tornado Alley checklist for continued airworthiness.... Installed new wastegate cable and pulley assembly P/N 22-5650008 per Tornado Alley Wastegate Control Cable Installation Field Retrofit Manual dated April 2, 2008.... Removed old RH wastegate and installed new R/H wastegate P/N 22-6150026 with new gaskets P/N FG0120830 per Tornado Alley mm Report 215-10 page 15.... At the time of Kelly Aerospace Power Systems SIL A-131, this aircraft was equipped with a Tornado Alley Turbonormalizing system which contained a left turbocharger, p/n 466304-0003, s/n KFN00356 and a right turbocharger p/n 466304-0003 s/n KFN00445.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 9/10/2008

SIGNED: *Jim Jakus*

Jim Jakus
Certified Repair Station No. L9OR473Y

Work Order: 3755-08-2008

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: N833KA
WORK ORDER:
4342-03-2009



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 3/20/2009
A/C TSN: 282.8
ENG TT: 270.4
HOBBS: 236.9

ord
ions,

Engine Entries

Adjusted MAP per Tornado Alley Continued Airworthiness manual.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 3/20/2009

SIGNED:

Patrick Harrington
Certified Repair Station No. L9OR473Y

Work Order: 4342-03-2009

Printed by EBis 3 (datamedia.com)

Engine Model IO-550-N

Eng. S/N 691327

N833KA Cirrus

S/N: 2668

Mather Aviation LLC

10360 Macready Avenue.

Mather Ca. 95655

FAA CRS No. PCPR439B

April 27, 2009

Hobbs hrs: 299.1

Flight: hrs 250.4

WO#: 415392

This is a permanent part of the Engine. Pertinent details of the work performed are on file at this Repair Station. The following inspections, repairs or component part replacements were accomplished in accordance with TCM 550-N Service Manual.

1. Changed oil and filter P/N CH 48108. Inspected filter for contaminants none found. Serviced oil with Aeroshell 9 quarts of 100 W Plus. Sample taken and sent out. Performed ground run. No leaks noted at this time.

Technician(s): R. Vosburg, M. Baker, T. Mula

The aircraft and/or component identified above has been repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service with respect to the work performed.

Inspector:

Robert J. Pina for CRS PCPR439B

ENGINE MODEL: IO-550-N
ENGINE S/N:
REG. NO: N833KA
WORK ORDER:
5078-07-2009



Sterling Aviation

145 John Glenn Drive
Concord, CA 94520
Phone: 925-676-2100

DATE: 7/30/2009
A/C TSN: 356
ENG TT:
TACH: 356

Engine Entries

Troubleshoot loss of M/P. Removed H-check valve, cleaned, ops checked, reinstalled, after ground run-up M/P in operational range.

Maintenance Release

The aircraft and/or component(s) on N833KA 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 under Work Order No. 5078-07-2009, Dated 7/30/2009.

DATE: 7/30/2009

SIGNED:

Bill Duff A/P 311146

Work Order: 5078-07-2009

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: N833KA
WORK ORDER:
4688-08-2009



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 8/7/2009
A/C TSN: 298.6
ENG TT: 298.6
TACH: 298.6

Engine Entries

Drained oil. Removed cut open and inspected oil filter, no defects noted. Installed new filter and safted. Serviced engine with 8qts AS100W Plus. Ran and leak checked normal.... Took oil sample.... Compression check #1- 74/80, #2- 72/80, #3- 76/80, #4- 72/80, #5- 72/80, #6- 70/80.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 8/7/2009

SIGNED:

Bill Dexheimer
Certified Repair Station No. L9OR473Y

Work Order: 4688-08-2009

Printed by EBis 3 (datamedia.com)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL: IO-550-N ENGINE S/N: 691327 REG. NO: N833KA WORK ORDER: 4779-09-2009</p> </div> <div style="width: 30%; text-align: center;"> Lone Mountain Aviation, Inc. Repair Station No. L9OR473Y 2830 N. Rancho Dr. Suite A Las Vegas, NV 89130 Phone: (702) 309-2200 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 10/1/2009 A/C TSN: 387.8 ENG TT: 323 FLIGHTTIME: 323</p> </div> </div> <div style="margin-top: 10px;"> <p>Engine Entries</p> <p>I certify that this engine has been inspected in accordance with a Cessna Progressive Care Operation No. 1 Inspection and is approved for return to service.... Drained oil. Removed, cut open and inspected oil filter, no defects noted. Installed new filter and saftied. Serviced with 8 qts aeroshell W 100 plus. Leak check good.... Took oil sample.... Compression check: #1- 74/80, #2- 76/80, #3- 72/80, #4- 76/80, #5- 75/80, #6- 75/80.... Completed TCM Topcare inspection.... Complied with Tornado Alley 100hr inspection checklist.... Cleaned Engine crankcase breather IAW Tornado Alley SI08-01 as per Cirrus Service Advisory SA 09-08... Replaced magneto pressurization filter IAW Tornado Alley ICA</p> <p>The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>DATE: 10/1/2009</div> <div style="text-align: center;"> SIGNED: Jim Jakus Certified Repair Station No. L9OR473Y </div> <div style="text-align: right;"> Work Order: 4779-09-2009 Printed by EBis 3 (datcomedia.com) </div> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL: IO-550-N ENGINE S/N: 691327 REG. NO: N833KA WORK ORDER: 4823-09-2009</p> </div> <div style="width: 30%; text-align: center;"> Lone Mountain Aviation, Inc. Repair Station No. L9OR473Y 2830 N. Rancho Dr. Suite A Las Vegas, NV 89130 Phone: (702) 309-2200 </div> <div style="width: 30%; text-align: right;"> <p>DATE: 1/14/2010 A/C TSN: 359.2 ENG TT: 359.2 FLIGHTTIME: 359.2</p> </div> </div> <div style="margin-top: 10px;"> <p>Engine Entries</p> <p>Removed and replaced left exhaust header assembly per Tornado Alley Cirrus New Exhaust Retrofit.... Removed and replaced #2,4, and 6 cylinder EGT probes per Cirrus mm chapter 77-20. Ops check normal.</p> <p>The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>DATE: 1/14/2010</div> <div style="text-align: center;"> SIGNED: Jim Jakus Certified Repair Station No. L9OR473Y </div> <div style="text-align: right;"> Work Order: 4823-09-2009 Printed by EBis 3 (datcomedia.com) </div> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p> MOJAVE AVIATION 1430 Jet Stream Drive Suite 100 Henderson NV, 39052</p> </div> <div style="width: 30%;"> <p>Log Entry: ENGINE Reg Num: N833KA Hobbs: 368.4</p> </div> <div style="width: 30%; text-align: right;"> <p>Date: 02/17/10 S/N: 2668 Tach: 439.4</p> </div> </div> <div style="margin-top: 10px;"> <p>Performed oil change. Changed engine oil and filter. Cut old filter, no metal or carbon found. Installed new CH48108-1 filter and serviced engine with 7 qts. Aeroshell 100W Plus oil. Ran engine, leak check and performance satisfactory.</p> <p style="text-align: right; margin-top: 10px;">George Wolfe (A&P 1988320) </p> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p> MOJAVE AVIATION 1430 Jet Stream Drive Suite 100 Henderson NV, 89052</p> </div> <div style="width: 30%;"> <p>Log Entry: ENGINE Reg Num: N833KA Hobbs: 389.5</p> </div> <div style="width: 30%; text-align: right;"> <p>Date: 06/24/10 S/N: 2668 Tach: 461.7</p> </div> </div> <div style="margin-top: 10px;"> <p>Performed oil change. Changed engine oil and filter. Cut old filter, no metal or carbon found. Installed new CH48108-1 filter and serviced engine with 8 qts. Aeroshell 100W Plus oil. Ran engine, leak check and performance satisfactory.</p> <p style="text-align: right; margin-top: 10px;">Tim Poole (A&P 2734559) </p> </div>					

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

Brought F

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: N833KA
WORK ORDER:
0319-07-2010



Elite Aircraft Services, LLC.

2634 Airport Drive
North Las Vegas, NV 89032
Phone: (702) 835-1222

DATE: 7/16/2010
A/C TSN: 394
ENG TT: 394
TACH: 394

Engine Entries

Replaced starter adaptor, P/N R-642085A17. Work done in accordance with TCM OH manual X30568A. Ops' and leak check good.

The aircraft and/or component(s) on 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 this work order number.

DATE: 7/16/2010

SIGNED:

Work Order: 0319-07-2010

Phillip John Swibies, A&P: 2584811

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ENGINE MODEL:
ENGINE S/N:
REG. NO: N833KA
WORK ORDER: 21260



APR Aviation, Inc.

Repair Station No. CP3R431L
5041 E. Andersen Ave
Fresno, California 93727 USA
Phone: 800-882-8466

DATE: 10/26/2010
A/C TSN:
ENG TT:
HOBBS: 452.2

Engine Entries

(1) Changed oil and filter, inspected filter found ok. Refilled with Aeroshell 100W-plus oil. Run and leak check. Installed missing TIT probe.

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service in respects to the work completed. A copy of this repair is on file at this agency.

DATE: 10/26/2010

SIGNED:

Work Order: 21260

Robert Lawrence
Certified Repair Station No. CP3R431L

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: N833KA
WORK ORDER:
5893-12-2010



Lone Mountain Aviation, Inc.

Repair Station No. L9OR473Y
2830 N. Rancho Dr. Suite A
Las Vegas, NV 89130
Phone: (702) 309-2200

DATE: 2/4/2011
A/C TSN: 526.6
ENG TT: 454.4
FLIGHTTIME: 454.4

Engine Entries

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.... Compression check completed. #1 68/80 #2 63/80 #3 72/80 #4 66/80 #5 61/80 #6 62/80... Complied with TCM TopCare inspection.... Complied with Tornado Alley Inspection for continued airworthiness.... Complied with TAT SB10-02 Tail Pipe Brackets.... Complied with TAT SB10-01 Alternate air door hinge inspection.... Complied with TAT SI 08-011 Crankcase breather tube cleaning.... Complied with TAT SB 09-01 Exhaust manifold inspection.... Replaced both left and right oil screen fitting gaskets per Tornado Alley Continued Airworthiness Instructions.... Secured heat shield per Tornado Alley Continued Airworthiness Instructions.... Replaced rivet with screw on baffle aft of right magneto per Standard Practices.... Complied with 500 hr magneto inspection per TCM Ignition Systems Master Service Manual Chapter 6 and 7.... Complied with 450 Hour time change of exhaust v-band clamps IAW TAT instructions 22-6460006.... Removed and replaced left exhaust pipe IAW TAT instructions 22-6460006.... Installed new clevis pin in slave wastegate cable attachment.... Removed master wastegate. Wastegate PN 470842-004, SN 00599 repaired by Main Turbo. Reinstalled wastegate. All work done IAW TAT 22-6460006.

The aircraft, component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 2/4/2011

SIGNED:

Work Order: 5893-12-2010

Bill Dexheimer
Certified Repair Station No. L9OR473Y

Printed by EBis 3 (datcomedia.com)

DOMINION AVIATION

Date: 7/05/2011; Aircraft: 833KA; Type: SR 22; S/N: 2668; Hobbs: 537.60;
Total Time: 465.40; Engine - Type: TCM IO-550-N50, S/N: 691327; Prop -
Type: Hartzell, S/N: FP5980B

*** ENGINE ***

- Placed POH revisions A8, A9, and A10 in aircraft with POH.
- Removed oil filter from aircraft. Cut open oil filter and inspected filter element. No defects noted. Installed new oil filter p/n: CH48108-1 and torqued to 16 ft/lbs and secured with safety wire. Ref. Cirrus SR-22 MM Chapter 12.
- Complied with a compression check on all engine cylinders. The readings were as follows: #1 - 73/80, #2 - 69/80, #3 - 72/80, #4 - 67/80, #5 - 73/80, #6 - 70/80. Minimum orifice reading: 46/80.
- Performed borescope examination of all cylinders. Reference TCM SB 03-3, dated 03/28/2003.
- Removed, checked for wear with no discrepancies found and re-installed slave wastegate clevis pin. Reference Tornado Alley Turbo Installation Instructions Cirrus Wastegate Control Cable Report 22-6460007, dated April 2, 2008.
- Cleaned right turbo bearing inlet check valve and bearing inlet port flange and performed ground run of aircraft. Checked right turbo bearing inlet check valve and bearing inlet port flange for oil leaks post ground run with no discrepancies found. Reference Tornado Alley Turbo, Inc. documents Cirrus 22-6460004 Continued Airworthiness Rev. A (10 Apr 09).
- Replaced right waste gate inlet seal, part number FG0120830, due to exhaust blow by. Reference Tornado Alley Turbo, Inc. documents Cirrus 22-6460004 Continued Airworthiness Rev. A (10 Apr 09), and Drawing No. 22-6150004 Right Wastegate Assembly.
- Replaced worn left and right turbo support rods, left upper support rod bracket, left upper support rod bracket hardware and left support rod spring. Reference Tornado Alley Turbo, Inc. documents Cirrus 22-6460004 Continued Airworthiness Rev. A (10 Apr 09), Drawing No. 22-6150009 Support Rod Assembly - Left and Drawing No. 22-6150010 Support Rod Assembly - Right.
- Replaced all spark plugs, RHB32E, due to wear. Reference Cirrus SR22 maintenance manual chapter 74-20.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 22525

Signed W. A. R. R.

Dominion Aviation CRS ODAR018H
7511 Airfield Drive
Richmond, Virginia 23237
(804) 271-7793

Service and Maintenance Record

tions, Airworthiness Directives, Special Inspections, Service Bulletins

Date 8/3/2011

W/O# 11617



Engine Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 833K

S/N 2668

Tach / Hobbs **576.5**

FLIGHT . 504.3

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT. NO DISCREPANCIES NOTED. OIL SAMPLE TAKEN AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS PHILLIPS 20W50 X/C. RUN UP AND LEAK CHECK NORMAL. INSTALLED NEW GASKETS AND TIMED LEFT AND RIGHT MAGNETOS TO 21.5 DEGREES PER TAT ICA. OPERATIONAL CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Danuel [Signature]

Damon Schmidt

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

Date 9/13/2011
W/O# 11692



Engine Logbook Entry AIRCRAFT: N 833KA
CRS AWKR298C S/N 2668
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 615.3
FLIGHT 543.0

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT. NO DISCREPANCIES NOTED. OIL SAMPLE TAKEN AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS PHILLIPS 20W50 X/C. RUN UP AND LEAK CHECK NORMAL. COMPRESSION TEST RESULTS: #1- 62/80, #2- 68/80, #3- 68/80, #4- 70/80, #5- 72 /80, #6- 68/80. M/O 44

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Damon Schmidt

Damon Schmidt

Date 11/16/2011
W/O# 11804



Engine Logbook Entry AIRCRAFT: N 833KA
CRS AWKR298C S/N 2668
25170 Aviation Ave., Davis, CA 95616

Tach / Hobbs 664.8
FLIGHT 592.6

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT. NO DISCREPANCIES NOTED. OIL SAMPLE TAKEN AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS PHILLIPS 20W50 X/C. RUN UP AND LEAK CHECK NORMAL. TIMED LEFT AND RIGHT MAGNETOS TO MM SPEC'S, OPERATIONAL CHECKED NORMAL. INSTALLED NEW DRIVE BUSHING P/N 21119-112 ON TO COMPRESSOR DRIVE AND SAFETIED. OPERATIONAL CHECK GOOD. NO OTHER DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: Damon Schmidt

Damon Schmidt

Trade Winds Aviation, 2505 Cunningham Ave, San Jose, CA
Dec, 28, 2011 Hobbs 683.0 Flight Hobbs 610.7 N833KA
Torque'd loose propeller de-ice supply lines at forward engine baffle. Safetied B-nuts. Installed overhauled electric fuel pump. Fuel pump installed S/N 3827. Ran and leak checked. Operation normal and no leaks noted.

Juan Manuel Raya

A&P 545138835

Lost sticker not sure which one

Trade Winds Aviation 2505 Cunningham Ave San Jose CA
July 20, 2012 790.6 Hobbs N833KA

1. Changed oil with 20W50-X/C.
2. Inspected oil filter element for contamination.
3. Installed new oil filter, ran engine to verify no leaks.

Thomas Nicholson A&P 2522802

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

Date **2/24/2012**
W/O# **12005**



Engine Logbook Entry
CRS AWKR298C
 25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 833KA
S/N 2668

Tach / Hobbs Eng TSN Eng TSO	720.9 720.9 NA	COMPLETED AN ANNUAL INSPECTION PER FAR 43 APPENDIX "D". ALL WORK DONE IN ACCORDANCE WITH APPLICABLE MANUALS. COMPLIED WITH TAT INSTRUCTIONS FOR CONTINUED AIRWORTHINESS WITH NO DEFECTS NOTED. CHANGED OIL AND FILTER, CUT AND INSPECT FILTER, NO METAL FOUND. TOOK OIL SAMPLE AND SENT OUT FOR ANALYSIS. SERVICED WITH 7 QTS. PHILLIPS 20W50 X/C OIL. RUN UP, NO LEAKS NOTED. COMPRESSION CHECK: #1- 73/80, #2- 71/80, #3- 72/80, #4- 70/80, #5- 74/80, #6- 72/80. MO-44 COMPLIED WITH TELEDYNE CONTINENTAL MOTORS MANDATORY SERVICE BULLETIN 95-2, 100-HOUR/ANNUAL, RECURRING LUBRICATION OF ENGINE CONTROLS AFTER WASHING ENGINE. COMPLIED WITH TAT SI08-1, 50 HOUR INSPECTION AND CLEANING OF CRANKCASE BREATHER FITTING. COMPLIED WITH TAT SB09-01, 50 HOUR INSPECTION OF THE EXHAUST MANIFOLD FLANGE WITH NO DEFECTS NOTED. COMPLIED WITH TAT MANDATORY SB 10-01, INSPECTION OF HINGE PIN ENDS ON THE ALTERNATE AIR DOOR FOR CRACKS, LOOSE RIVETS AND / OR MISSING RETENTION METHODS WITH NO DEFECTS NOTED. COMPLIED WITH TAT MANDATORY SB 10-02, INSPECTION OF SUPPLEMENTAL TAILPIPE HANGERS, NEW STYLE INSTALLED, NO FURTHER ACTION REQUIRED. COMPLIED WITH TAT SI11-03, ANNUAL-TURBO SUPPORT ASSEMBLY INSPECTION, INSTALLED NEW P/N 22-6250006 L/H AND R/H TURBO SUPPOLT UPPER BRACKETS AND NEW P/N 22-6200021 R/H TURBO SUPPORT BRACKET BUSHING. COMPLIED WITH TAT SI11-02, ANNUAL ENGINE DRIVEN FUEL PUMP INSPECTION WITH NO DEFECTS NOTED. COMPLIED WITH TAT SI11-01, EXHAUST SYSTEM SLIP JOINT INSPECTION. INSTALLED NEW P/N ETI-G2-20-21 #5 CYLINDER HEAT SHIELD. INSTALLED NEW P/N ETI-G3-20-31 L/H TURBO HEAT SHIELD.
------------------------------------	----------------------	---

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed Damon Schmidt

Damon Schmidt

Date **4/12/2012**
W/O# **12037**



Airframe (Avionics) Logbook Entry
CRS AWKR298C
 25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 833KA
S/N 2668

Tach Time
FLIGHT

746.7
674.6

REMOVED AVIDYNE EXP5000 PFD P/N 700-00006-000, S/N 20008297 FOR WARRANTY EXCHANGE. INSTALLED AVIDYNE EXP5000 PFD P/N 700-00006-000, S/N 20044337 AFTER BEING MODIFIED BY AVIDYNE CORPORATION, CRS# 1VAR161B UNDER W/O 9016670 DATED 1/18/2012. CONFIGURED DISPLAY FOR CUSTOMERS AIRCRAFT, PERFORMED MAGNETOMETER CALIBRATION AND GROUND FUNCTIONAL TESTS WITH NO DISCREPANCIES NOTED.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency. Signed: Douglas E. Barton

Douglas E. Barton

Date **4/12/2012**
W/O# **12037**



Engine Logbook Entry **AIRCRAFT: N 833KA**
CRS AWKR298C
 25170 Aviation Ave., Davis, CA 95616

S/N 2668

Tach Time
Eng TSN
Eng TSO
TTAF

746.7 H

674.6 F.

REMOVED OIL COOLER FOR INSPECTION AND REMOVAL OF VERNATHERM. INSTALLED NEW VERNATHERM P/N 657496 AND SAFTIED. INSPECTED OIL COOLER FOUND NO DEFECTS AT THIS TIME. INSTALLED NEW P/N 12634-001 OIL TEMP PROBE AND P/N 649989 GASKET ASSEMBLY. REINSTALLED OIL COOLER AS PER TCM IO-550N MAINTENANCE MANUAL. RUN UP AND LEAK CHECK GOOD.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency. Signed: Douglas E. Barton

Douglas E. Barton

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

Date 5/8/2012
W/O# 12147



Engine Logbook Entry AIRCRAFT: N 833KA
CRS AWKR298C
25170 Aviation Ave., Davis, CA 95616
S/N 2668

Tach / Hobbs 776.6
FLIGHT 704.4

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT. NO DISCREPANCIES NOTED. OIL SAMPLE TAKEN AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS PHILLIPS 20W50 X/C. RUN UP AND LEAK CHECK NORMAL. INSTALLED P/N 470944-9017 S/N WHR0115 AFTER OVERHAUL BY "ATC" CRS# 07TR2100 PER WO# 32144. FUNCTION CHECKED NORMAL. INSTALLED MANIFOLD PRESSURE RELIEF VALVE P/N 470944-9017 S/N WHR0115 AFTER OVERHAUL BY "APPROVED TURBO COMPONENTS" CRS# 07TR2100 PER WO# 32144. INSTALLED L/H WASTEGATE P/N 470842-9004 S/N MIR0122 AFTER OVERHAUL BY "APPROVED TURBO COMPONENTS" CRS# 07TR2100 PER WO# 32152. LEAK AND FUNCTION CHECKED NORMAL. INSTALLED ALL NEW P/N RHB32E SPARK PLUGS. FUNCTION CHECKED NORMAL. COMPLIED WITH FUEL SYSTEM SETUP PER TCM SID97-3E, ADJUSTED IDLE MIXTURE, FUNCTION CHECKED NORMAL. INSTALLED NEW GASKETS AND TIMED LEFT AND RIGHT MAGNETOS TO 21.5 DEGREES. OPERATIONAL CHECKED NORMAL. CLEANED AND INSPECTED ALL INJECTORS AND INSTALLED WITH NEW SEALS, LEAK AND FUNCTION CHECKED NORMAL.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: *Damon Schmidt*

Damon Schmidt

Trade Winds Aviation 2505 Cunningham Ave San Jose CA

July 20, 2012 790.6 Hobbs N833KA

1. Changed oil with 20W50-X/C.
2. Inspected oil filter element for contamination.
3. Installed new oil filter, ran engine to verify no leaks.

Thomas Nicholson A&P 2522802

Trade Winds Aviation 2505 Cunningham Ave San Jose CA

September 27, 2012 831.1 Hobbs N833KA

1. Changed oil with 20W50-X/C.
2. Inspected oil filter element for contamination.
3. Installed new oil filter, ran engine to verify no leaks.

Thomas Nicholson A&P 2522802

12/6/12 882.2 R4 hobbs N833KA
changed oil and filter, Phillips
20w/50 x/c oil. Ran engine
to make sure new filter does
not leak.

Thomas Nicholson
A&P 2522802

Date 3/4/2013

W/O# 12694



Engine Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 833KA

S/N 2668

Tach / Hobbs

930.9

Eng TSN

930.9

Eng TSO

N/A

COMPLIED WITH ANNUAL INSPECTION PER FAR 43 APPENDIX D.

COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER TCM SERVICE BULLETIN 03-3.

COMPRESSION TEST RESULTS: #1- 74/80, #2- 70/80, #3- 72/80 #4- 72/80, #5- 74/80, #6- 72/80.

DRAINED OIL AND REMOVED FILTER. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS. NO DISCREPANCIES NOTED. SERVICED ENGINE WITH 7 QUARTS PHILLIPS X/C 20W50 ENGINE OIL.

COMPLIED WITH TAT SB11-02, ANNUAL ENGINE DRIVEN FUEL PUMP INSPECTION. INSPECTED ENGINE DRIVEN FUEL PUMP. NO DEFECTS NOTED.

REMOVED AND INSTALLED NEW RIGHT WASTEGATE SUPPORT BOLT P/N MS21250-05020 AND UPPER BUSHING P/N 22-6200023 PER TAT SERVICE INSTRUCTION SI11-03.

COMPLIED WITH GAMIJECTOR INSTRUCTIONS FOR CONTINUED AIRWORTHINESS. NO DEFECTS NOTED.

REMOVED LEFT WASTEGATE EXHAUST DUMP TUBE. CLEANED TUBE AND REINSTALLED WITH NICKEL ANTI SEIZE PER TAT SERVICE INSTRUCTION SI11-01. NO DISCREPANCIES NOTED. INSTALLED ALL NEW TEMPEST FINE WIRE SPARK PLUGS P/N URHB32S. INSTALLED REPAIRED LEFT MAGNETO P/N 10-500556-101 S/N D07FA155 FROM AIRCRAFT ELECTRICAL COMPONENTS, INC. (CRS#S7HR883J) WO. PO13-00340.1 WITH NEW GASKET. INSTALLED REPAIRED RIGHT MAGNETO P/N 10-500556-101 S/N D07FA147 FROM AIRCRAFT ELECTRICAL COMPONENTS, INC. (CRS#S7HR883J) WO. PO13-00340.3 WITH NEW GASKET. TIMED MAGNETOS TO SPEC PER TAT ICA. OPERATIONAL CHECK GOOD. NO DISCREPANCIES NOTED.

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed:

Shawn Matthies

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

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

Shawn Matthies

Trade Winds Aviation 2505 Cunningham Ave San Jose CA

May 21, 2013 1011.1 Hobbs N833KA

1. Changed oil with 20W50-X/C.
2. Inspected oil filter element for contamination.
3. Installed new oil filter, ran engine to verify no leaks.

Thomas Nicholson A&P 2522802

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE FAA FORM 8130-3, AIRWORTHINE
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DATE: 1/19/2015
A/C TSN: 1392.3
ENG TT: 1392.3
TACH: 1392.3

4. Organization Name and Address
Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615

6. Item:	7. Description	8. Part Number:
1	CYL & VALVE ASSY LOADED, BAL	658178A2BP

ues over 80 PSI): 1/65, 2/64, 3/54,
jen oil filter to examine for
and cleaned oil return fitting on
2BP s/n's from TCM IAW TCM MM

n airworthy condition at this time.

12. Remarks:
AIRWORTHINESS APPROVAL

Work Order: 6358-12-2014

nted by EBis 3 (datcomedia.com)

Serial/Batch Number(s):

Serial	Description	Serial	Description
AC14JA991	CYL & VALVE ASS	AC14JA957	CYL & VALVE ASS
AC14JA933	CYL & VALVE ASS	AC14JA966	CYL & VALVE ASS
AC14JA920	CYL & VALVE ASS	AC14JA366	CYL & VALVE ASS
AC14JA987	CYL & VALVE ASS	AC14JA919	CYL & VALVE ASS
AC14JA961	CYL & VALVE ASS	AC14JA950	CYL & VALVE ASS
AC14JA959	CYL & VALVE ASS	AC14JA956	CYL & VALVE ASS
AC14JA927	CYL & VALVE ASS	AC14JA998	CYL & VALVE ASS
AC14JA050	CYL & VALVE ASS	AC14JA943	CYL & VALVE ASS
AC14JA921	CYL & VALVE ASS		
AC14JA983	CYL & VALVE ASS		

DATE: 2/27/2015
A/C TSN: 1414.7
ENG TT: 1414.7
TACH: 6.4

ts, none detected.

inspected in accordance with current FARs rules of the Federal Aviation Regulations, with
to. 6421-02-2015.

Order: 6421-02-2015

3 (datcomedia.com)

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE FAA Form 8130-3, AIRWORTHINE
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4. Organization
Great Planes Fuel Metering, Inc 740 South 142nd East Ave, Tulsa Oklahoma

6. Item:	7. Description:	8. Part Number:	9. Qual
1	Fuel pump	ETI-SR22-2-11	

er repair by Tornado
6 and Tornado Alley

n Regulations, with
o. 6433-03-2015.

der: 6433-03-2015

(datcomedia.com)

12. Remarks:

Drawing ETI-SR22-2-11 Rev G 4/29/09.

TA

DATE: 5/20/2015
A/C TSN: 1425.8
ENG TT: 1425.8
TACH: 17.5

Engine Entries

Drained oil and changed filter(AA48108-2). Took sample and sent for analysis. Serviced engine with 8 qts. Phillips 20W50 X/C oil.

Maintenance Release

The aircraft and/or component(s) on 833KA was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations, with respect to worked performed, for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 6515-05-2015.

DATE: 5/20/2015

SIGNED:

Work Order: 6515-05-2015

JFritzen, IA: AP27589461A

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Date
Brought Forward

ENGINE MODEL: IO-550-N
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER: 6627-08-2

Engine Entries

Performed Annual insp follows #1=52. #2=52. filter and cut open to ex 09-04-2015
Removed cylinders 1, 2 O-rings Reinstalled L& cylinder access. Clean injectors using new gaskets. Sent intercool

Replaced cracked stabilizer bracket on main door hinge gasket.
Replaced faulty wastegate safety return spring with new (P/N:LE (P/N:FG0120830). Rigged, safetied and lubed wastegates. Replaced shield clamps.

Installed missing intake cooling baffles on cyl's 6 & 4 with new (P/N:649243) baffles. Replaced RH-exhaust tailpipe bonding strap with new (P/N:MS25063-0001) bonding strap. Completed all routine servicing as required. Complied with Tornado Alley (TAT SI08-1) by inspection and cleaning of coking deposits from crankcase breather tube in tailpipe. Complied with Tornado Alley (TAT SB09-01) by inspection of exhaust manifold flange. Complied with Tornado Alley (TAT SI08-05) by inspection, cleaning, and lube of induction air filter. Complied with TCM (SB 11-02) by 100hr inspection of alternator IAW Hartzell Technologies ICA. Complied with Tornado Alley (TAT SB11-03) by inspection of turbo supports. Complied with (TAT SB11-04) by inspection and cleaning of turbo oil inlet screen. Complied with Tornado Alley (TAT SB 10-02) by inspection of alternate air box door hinge pin and door. Complied with Tornado Alley (TAT SI11-01) by inspection and lubrication of exhaust slip joints. Complied with (TAT SI11-02) Annual engine driven fuel pump inspection and checks. Ran engine and checked for leaks, (None Noted). Test flew and checked all systems and parameters, all tests and ck's good.

END

Christopher J. Swanick A&P2725102IA.

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 time. With respect to the work performed the airframe/engine/propeller is approved for return to service.

DATE: 9/4/2015 SIGNED: [Signature] Work Order: 6627-08-2015
CSwanick, A&P: AP27251702IA Printed by EBis 3 (datamedia.com)

Date: 9/23/2015; Aircraft: N833KA; Type: SR22; S/N: 2668- Hobby
Shop Order #: SH15-0208

Discrepancy 300: Right Mag On R
Corrective Action 300: Removed L
Magneto S/N D15GA145 Using New
D07FA147, Installed TCM New Mag
Installed Per TCM IO-550 Series E
Ran Aircraft, Operationally Checked

Discrepancy 301: Airconditioning D
Corrective Action 301: Removed Fr
Compressor Drive Unit To Remove L
P/N 51052-001, Compressor Drive U
Ground Ran Aircraft Leak Checked C

The aircraft, airframe aircraft engine,
in accordance with current regulations o
approved for return to service. Pertin

MidAmerica Aircraft Services, LLC • C

APPROVED

I certify that
in accordance
and was det
Authorized S
Date 8-2

K & K
PRECISION
2083 Hwy. L
East Troy, WI
FAA Repair S

5008-210-10-2801 NSN

1. Approving Civil Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 4711716	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215		5. Work Order/Contract/Invoice Number: 1479632		6. Status/Work: New	
6. Item: 10	7. Description: BAFFLE	8. Part Number: 649243	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New
12. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. PO# 833KA					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" 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 type="checkbox"/> 14 CFR 43.3 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 13 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: [Signature]		13c. Approval/Authorization No.: ODA-100129-CE		14b. Authorized Signature: [Signature]	
13d. Name (Typed or Printed): JOHN S. WALTON		13e. Date (dd/mm/yyyy): 27/AUG/2015		14c. Name (Typed or Printed): [Signature]	
14d. Date (dd/mm/yyyy):		14e. Approval/Certification No.:			

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article specified in Block 1. It is essential that the user/installer ensures that higher airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the 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.
FAA Form 8130-3 (02/14)

NSN: 0052-00-012-6005

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

Brought Forward

ENGINE MODEL:
IO-550-N50
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER:
6672-09-2015



Aviation Maintenance, Inc.

1115 S. Wolf Rd. Hangar 6
Wheeling, IL 60090
Phone: 847-541-4752

DATE: 9/26/2015
A/C TSN: 1503.8
ENG TT: 1503.8
TACH: 95.5

Engine Entries

Drained oil from engine and serviced engine with 6 qts. of Phillips 20W50 (M) oil. Removed oil filter and cut open to examine for contaminants (None Noted). Installed new (AA48108) oil filter, torqued and safetied.... Complied with TCM Service Bulletin No.M59-9, by testing for excessive crankcase pressures. Complied with Tornado Alley Service Bulletin TAT SI08-01, by inspection and removal of coking deposits from oil breather discharge tube in tailpipe. Ran engine and checked for leaks, (None Noted).

END

Christopher J. Swanick A&P27251021A.

Maintenance Release

The aircraft and/or component(s) on 833KA was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations, with respect to worked performed, for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 6672-09-2015.

DATE: 9/26/2015

SIGNED:

CSwanick, A&P: AP272517021A

Work Order: 6672-09-2015

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ENGINE MODEL:
IO-550-N50
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER:
6705-11-2015



Aviation Maintenance, Inc.

1115 S. Wolf Rd. Hangar 6
Wheeling, IL 60090
Phone: 847-541-4752

DATE: 11/2/2015
A/C TSN: 1531.8
ENG TT: 1531.8
TACH: 123.5

Serviced engine with 8 qts. Phillips 20W50 X/C oil. Engine run up

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE FAA Form 8130-3, AIRWORTHINESS		3. Form Tracking RVC4	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 East Apache Tulsa, OK 74115		Phone: 1-877-833-69 918-835-69 Fax: 918-835-28		5. Work Order/Control Number: 1520	
6. Item:	7. Description:	8. Part Number:			
1	STARTER ADAPTER	642085-A17			
12. Remarks: OVERHAULED IN ACCORDANCE WITH CONTINENTAL MOTORS OVERHAUL RECORDS OF WORK PERFORMED ARE MAINTAINED ON FILE AND WILL BE The aircraft, airframe, aircraft engine, propeller, or appliance identified above was inspected in accordance with the Regulations of the Federal Aviation Agency and is approved for return to service.					

Control Number: 599811203-7
 Service ☒ Other regulation specific
 specified in Block 12, the work identified
 was accomplished in accordance with
 standards and in respect to the work
 performed.
 14a. Approval/Control
 14b. Date (dd/mm/yyyy)
 to install the aircraft engine/propeller/

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

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

ENGINE MODEL:
IO550N(50)
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER: 1826



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 10/12/2016
A/C TSN:
ENG TT:
TSMOH:
HOBBS: 1744.1

Engine Entries

Changed oil and replaced filter, opened old filter for inspection. Serviced with Phillips 20W50 oil. Ran up, checked for leaks, none noted.

Technicians Who Worked On The Items Listed Above:
Jason Music

Described maintenance is airworthy with respect to work performed.

DATE: 10/12/2016

SIGNED:

Robert McBride, Jr.

Work Order: 1826

Robert McBride, Jr., A&P: 2710158

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ENGINE MODEL: IO-550-N50
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER: 7228-04-2017



Aviation Maintenance, Inc.

1098 S. Milwaukee Ave.
Suite 301
Wheeling, IL 60090
Phone: 847-541-4752

DATE: 6/8/2017
A/C TSN: 3179.1
ENG TT: 3179.1
TACH: 1770.8

Engine Entries

Completed Annual inspection IAW Cirrus SR22 S/M, Tornado Alley ICA's and TCM IO-550N technical data sheets. Compressions were as follows with a master orifice reading of (38 psi) #1=64. #2=70. #3=61. #4=67. #5=64. #6=64. Drained oil from engine and took oil sample. Serviced engine with 8qts of Phillips 20W50 XC oil. Removed oil filter and cut open to examine for contaminants, (None Noted). Installed new (AA48108) oil filter, torqued and safetied. Checked AD status through ATP BI-Weekly 06-03-2017

Removed front baffling to gain access to camshaft access cover. Removed plate and cleaned off old gasket, reinstalled plate with new gasket using new hardware as required.

Removed LH-exhaust and turbocharger system, disassembled and sent exhaust manifold system to Tornado Alley Turbo Inc, for inspection and repair. Re-assembled repaired manifold to turbocharger system and reinstalled to engine using all new gaskets and hardware.

Replaced propeller governor control cable rod-end with new (P/N:11314-003) rod-end using new hardware.

Re-torqued all rocker cover attach screws to proper spec's IAW "R.E.A.L." gasket ICA.

Replaced engine oil dipstick and housing/adaptor seals, gaskets and O-rings.

Replaced L&R turbocharger V-Band clamps with new (11-1100023) clamps IAW Tornado Alley ICA.

Replace all turbocharger related flexible fluid carrying hoses with new hose kit (P/N:ETI-G3-8) IAW Tornado Alley ICA.

Replaced magneto pressurization filter with new (1396-2) filter IAW Tornado Alley ICA.

Removed propeller from engine and replaced fwd crankshaft nose seal with new (641250) seal. Reinstalled propeller using new O-ring and new mounting hardware.

Completed all routine servicing as required. Complied with Tornado Alley (TAT SI08-1) by inspection and cleaning of coking deposits from crankcase breather tube in tailpipe. Complied with Tornado Alley (TAT SB09-01) by inspection of exhaust manifold flange. Complied with Tornado Alley (TAT SI08-05) by inspection, cleaning, and lube of induction air filter. Complied with TCM (SB 11-02) by 100hr inspection of alternator IAW Hartzell Technologies ICA. Complied with Tornado Alley (TAT SB11-03) by inspection of turbo supports.

Complied with (TAT SB11-04) by inspection and cleaning of turbo oil inlet screen. Complied with Tornado Alley (TAT SB 10-02) by inspection of alternate air box door hinge pin and door. Complied with Tornado Alley (TAT SI11-01) by inspection and lubrication of exhaust slip joints. Complied with (TAT SI11-02) Annual engine driven fuel pump inspection and checks. Ran engine and checked for leaks, (None Noted). Test flew aircraft and checked all systems and parameters, all tests and ck's good.

END

Christopher J. Swanick A&P27251021A

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 time. With respect to the work performed the airframe/engine/propeller is approved for return to service.

DATE: 6/8/2017

SIGNED:

Christopher J. Swanick

Work Order: 7228-04-2017

Christopher J. Swanick, A&P: A&P27251021A

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ENGINE MODEL:
IO550N(50)
ENGINE S/N: 691327
REG. NO: 533KA
WORK ORDER: 2317



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 9/14/2017
A/C TSN: 230.2
ENG TT:
TSMOH:
HOBBS: 1787

Engine Entries

Found T.I.T probe intermittent. Removed and replaced T.I.T probe, PN: ETI-G2-711. Completed operational check.

Technicians Who Worked On The Items Listed Above:
Craig Harwood

Described maintenance is airworthy with respect to work performed.

DATE: 9/14/2017

SIGNED:

Craig Harwood

Work Order: 2317

Craig Harwood, A&P: 3788977

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

MAKE: Cirrus Design Corp
MODEL: SR22
S/N: 2668
REG. NO: 833KA
WORK ORDER: 2560



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 1/29/2018
A/C TSN:
FLIGHTTIME: 252.8

ENGINE Airframe Entries

Drained oil, collected Blackstone oil sample and replaced filter, opened old filter for inspection. Serviced with Phillips 20W-50 oil. Ran up, checked for leaks, none noted.

Described maintenance is airworthy with respect to work performed.

DATE: 1/29/2018

SIGNED

Chris Shaffer, A&P: 3502176

Work Order: 2560

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ENGINE MODEL:
IO550N(50)
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER: 2960



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 9/7/2018
A/C TSN: 2701.6
ENG TT: 2701.6
TSMOH:
FLIGHTTIME: 1293.3

Engine Entries

Removed left magneto, P/N 10-500556-101, S/N D15GA145, sent to Magneto ER for repair under W.O. 3215. Reinstalled with new gaskets.

Technicians Who Worked On The Items Listed Above:
Chris Reeves

Described maintenance is airworthy with respect to work performed.

DATE: 9/7/2018

SIGNED

Chris Reeves, A&P: 3424570

Work Order: 2960

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL:
IO550N(50)
ENGINE S/N: 891327
REG. NO: 833KA
WORK ORDER: 3425



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 8/21/2019
A/C TSN: 2739.8
ENG TT: 2739.8
TSMOH:
FLIGHTTIME: 1331.5

Engine Entries

Compressions: #1 68/80, #2 52/80, #3 59/80, #4 62/80, #5 62/80, #6 58/80, M.O.=44, all found satisfactory per M-O. Drained oil and replaced filter, opened old filter for inspection, no debris noted. Serviced with 20W-50 Cleaned, gapped, and rotated spark plugs. replaced gaskets. C/W TAT S.I. 11-03 turbocharger support assembly inspection, due again at next cowl inspection. C/W TAT SB 11-04, inspection of inlet screen, due at next annual. Pressure checked exhaust system, no defects noted. Pressure checked engine bay fuel system, no leaks noted. Ran up, checked for leaks, none noted. Replaced positive wire grommet at baffle. Replaced exhaust gaskets on L/H manifold where it meets the turbo with kit MGKC. Replaced L/H heat exchanger seal ducts with new. Adjusted and re-torqued V-band clamp at L/H turbo. Tightened inter cylinder baffle between #1 and #3 cylinder.

Technicians Who Worked On The Items Listed Above:
Chris Shaffer

I certify this engine has been inspected in accordance with a 100-hour inspection and was found to be in airworthy condition.

Work Order: 3425

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SERVICEABLE

575 N. Taylor Rd.
Bald Knob, AR 72010

MAGNETO E.R.
501-724-2225

FAA Repair Station
No. M6RR443X

Item **MAGNETO**

Manufacturer

CMT

Model # **S6RSC-25P**

Part #

10-500556-101

S/N

D15GA145

Overhaul

Repair ☒

Test ☒

Exchange

Customer

Chuck's Aircraft, LLC

Work Order #

3215

The component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved to return to service. Pertinent details of the work accomplished are on file at this agency.

Authorized Signature

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record
------	------------	--------------------------	---------------------------------------

ENGINE MODEL:
IO550N(50)
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER: 2812



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 7/16/2018
A/C TSN: 1681.5
ENG TT: 1681.5
TSMOH:
HOBBS: 1840.2

Engine Entries

Compressions: #1-66/80, #2-66/80, #3-70/80, #4-74/80, #5-72/80, #6-68/80, M.O.=44, all found satisfactory per M-O. Drained oil and replaced filter, opened old filter for inspection, no debris noted. Serviced with Phillips X/C 20W50 oil. Checked magneto timing per data plate and CMI M-O. Cleaned, gapped, and rotated spark plugs, replaced gaskets. Pressure checked exhaust system, no defects noted. Pressure checked engine bay fuel system, no leaks noted. Ran up, checked for leaks, none noted. Performance satisfactory. Removed #1 alternator, installed #1 alternator, part # ES10024, repaired by Aircraft Accessories of Oklahoma, under W.O. # 27996, dated 21-Jun-2018. Removed air conditioner drive assembly, removed magneto adapter, replaced adapter oil seal, part # 25102, re-installed magneto adapter and air conditioner drive assembly. Replaced L/H induction elbow to intercooler, part # ETI-G3-204-105. Replaced TAT waste gate clevis pins. Complied with Tornado Alley Turbo SB 11-04, by inspection and cleaning of turbocharger oil supply inlet screens, no defects noted. Complied with Tornado Alley Turbo SI 11-03: (inspect turbocharger support systems), replaced L/H wastegate upper support bracket, part # 22-625006. Complied with Tornado Alley Turbo SB 12-02, by inspection of engine driven fuel pump for leakage, no defects noted at this time. Re-positioned turbo oil return check valves to place hinge in 'up' position. Replaced R/H butterfly valve, part #22-6150026 and clevis knuckle, part # 22-5600001. Replaced L/H turbo oil return base gasket, part # 648960.

Technicians Who Worked On The Items Listed Above:
Danny Huchton, Zach Young

I certify this engine has been inspected in accordance with a 100-hour inspection and was found to be in airworthy condition.

DATE: 7/16/2018

SIGNED:

Daniel M. Huchton

Work Order: 2812

Danny Huchton, A&P: 3098167

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ENGINE MODEL:
IO550N(50)
ENGINE S/N: 691327
REG. NO: 833KA
WORK ORDER: 4006



Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 12/7/2020
A/C TSN: 1806
ENG TT: 1806
TSMOH:
HOBBS: 1988.9

Engine Entries

Compressions: #1-66/80, #2-78/80, #3-66/80, #4-72/80, #5-78/80, #6-72/80, M.O.=45, all found satisfactory per M-O. Drained oil, collected Blackstone sample and replaced filter, opened old filter for inspection, no debris noted. Serviced with Phillips X/C 20W50 oil. Cleaned, gapped, and rotated spark plugs, replaced gaskets. Pressure checked exhaust system, no defects noted. Pressure checked engine bay fuel system, no leaks noted. Ran up, checked for leaks, none noted. Complied with A.D. 2020-16-11 (Continental Aerospace Technologies, cylinder casting flaws), by complying with Continental MSB18-08 C, cylinders #1, #2, #3, #4, #5, #6, are not affected per MSB18-08C par. II, figure 1, by casting type. Cylinder serial numbers for this engine at time of compliance: #1-no serial number present, #2-AC081A306, #3-AC081E546, #4-AC14JA933, #5-AC081B304, #6-AC14JA959. Replaced R/H exhaust TATI v-band clamp, part # 11-11000023. Complied with TATI SB 12-02 (fuel pump leak check), no defects noted. Complied with TATI SI11-03 (turbo and waste gate support rods and bolts), replaced teflon sleeves, part # 22-6200048, no other defects noted. Complied with TATI SB 11-042, (turbo oil supply inlet screen), by cleaning screens, no other defects noted. Replaced TATI turbo control clevis pins at waste gate actuator and slave waste gate knuckle. A.D. 2020-19-06 (McCauley gov.), does not apply, by serial # and no maintenance documented in logbooks. Re-set both mag to 22 degs BTDC per data tag and CAT M-O.

Technicians Who Worked On The Items Listed Above:
Danny Huchton

I certify this engine has been inspected in accordance with a 100-hour inspection and was found to be in airworthy condition.

DATE: 12/7/2020

SIGNED:

Daniel M. Huchton

Work Order: 4006

Danny Huchton, A&P: 3098167

Printed by EBIS 3 (datcomedia.com)

AIRFRAME LOG

12/16/2021

Reg: **N705SA**Make: **CIRRUS**Hobbs: **1999.2**S/N: **2668**Model: **SR22-TN**Tach: **409.2****STEEL**
AVIATION**1. REMOVED:**

GMA 340.
GNS430 #1.
GNS430 #2.
GTX 327.
SKY 496.
EGPWS KPG PROCESSOR.

2. INSTALLED:

AMX 240 P/N200-00253-000, S/N C01925.
IFD 550 P/N 700-00182-020, S/N M212802267 IAW STC SA00343BO.
IFD 440 P/N 700-00179-000, S/N 212802007 IAW STC SA00343BO.
DFC90 P/N700-00170-000, S/N M1201977786 I/A/W STC SA00296BO.
NGT9000R P/N 9029000-4000, S/N LEX14838 I/A/W STC SA02444AK.
AC-30.9. S/N 158757
ANTENNA P/N CI-105.
PMA FAN P/N 1222533.
C/W SB 601-00004-107 MFD 8.2.2 SOFTWARE UPDATE.
UPDATED W&B.

A/P 3176242 DANNY POTTER

Signed

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ENGINE LOG

12/16/2021

Reg: **N705SA**Make: **CIRRUS**Hobbs: **1999.2**Eng. S/N: **689928**Model: **SR22**Tach: **409.2**TTSMOH: **2047.2****STEEL**
AVIATION

1. Removed and cut open oil filter, NDN installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.
3. Checked compressions
#1:64 #3:70 #5:52 #2:50 #4:50 #6:68.
4. R&R ALT 1 with servicable ALT 1 P/N 649304.
5. R&R starter with serviceable Tempest starter P/N PLPL13484.
6. C/W SB2X-05-02.

A/P

Signed

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AIRFRAME LOG

12/16/2021

Reg: **N705SA**Make: **CIRRUS**Hobbs: **1999.2**S/N: **2668**Model: **SR22-TN**Tach: **409.2****STEEL**
AVIATION

A/P

Signed

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PROPELLER LOG

12/16/2021

Reg: **N705SA**Make: **CIRRUS**Hobbs: **1999.2**Prop S/N: **FP5037B**Model: **PHC-J3YF-1RF/F7693DFB**Tach: **409.2**TTSOH: **2047.2****STEEL**
AVIATION

1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D - Using Hartzell /Cirrus AMM as a guide.

I certify that this propeller has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

A/P

Signed

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ENGINE LOG

8/9/2021

Reg: **N833KA**
 Make: **CIRRUS**
 Hobbs: **2004.3**

Eng. S/N: **689928**
 Model: **TCM IO-550N**
 Tach: **0409.1**
 TTSMOH: **1821.4**

STEEL AVIATION

Line Service and Maintenance Record

ions, Inspections, Airworthiness Directives, Special Inspections,
 ations and Service Bulletins

1. REMOVED.
 ENGINE IO-550 N S/N.691327
 PROP , S/N FFP5037B
 Prop GOV, C290D3R/T23 S/N 070548
 Boost pump P/N 5217-00-003 S/N 3827.

A/P/3939968 Brad Helman

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US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark	Serial No.	
	Make	Model	Series
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)	
		Address	
		City	State
		Zip	Country

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	POWERPLANT	Continental	IO-550-N	691327
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	RAM Aircraft, Limited Partnership	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	7505 Karl May Drive	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Waco State Texas	<input checked="" type="checkbox"/> Certificated Repair Station	Airframe Class III, Powerplant Class I VA1R551K
Zip	76708 Country United States	<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual Lawrence P. Garcia 9-23-2021 <i>Lawrence P. Garcia</i>
--	---

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. VA1R551K	Signature/Date of Authorized Individual Lawrence P. Garcia 9/23/2021 <i>Lawrence P. Garcia</i>
--	---



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark	Serial No.	
	Make	Model	Series
2. Owner	Name (As shown on registration certificate)	Address (As shown on registration certificate)	
		Address	
		City	State
		Zip	Country

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	POWERPLANT	Continental	IO-550-N	691327
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	RAM Aircraft, Limited Partnership	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address	7505 Karl May Drive	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Waco State Texas	<input checked="" type="checkbox"/> Certificated Repair Station	Airframe Class III, Powerplant Class I VA1R551K
Zip	76708 Country United States	<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual Lawrence P. Garcia 9-23-2021 <i>Lawrence P. Garcia</i>
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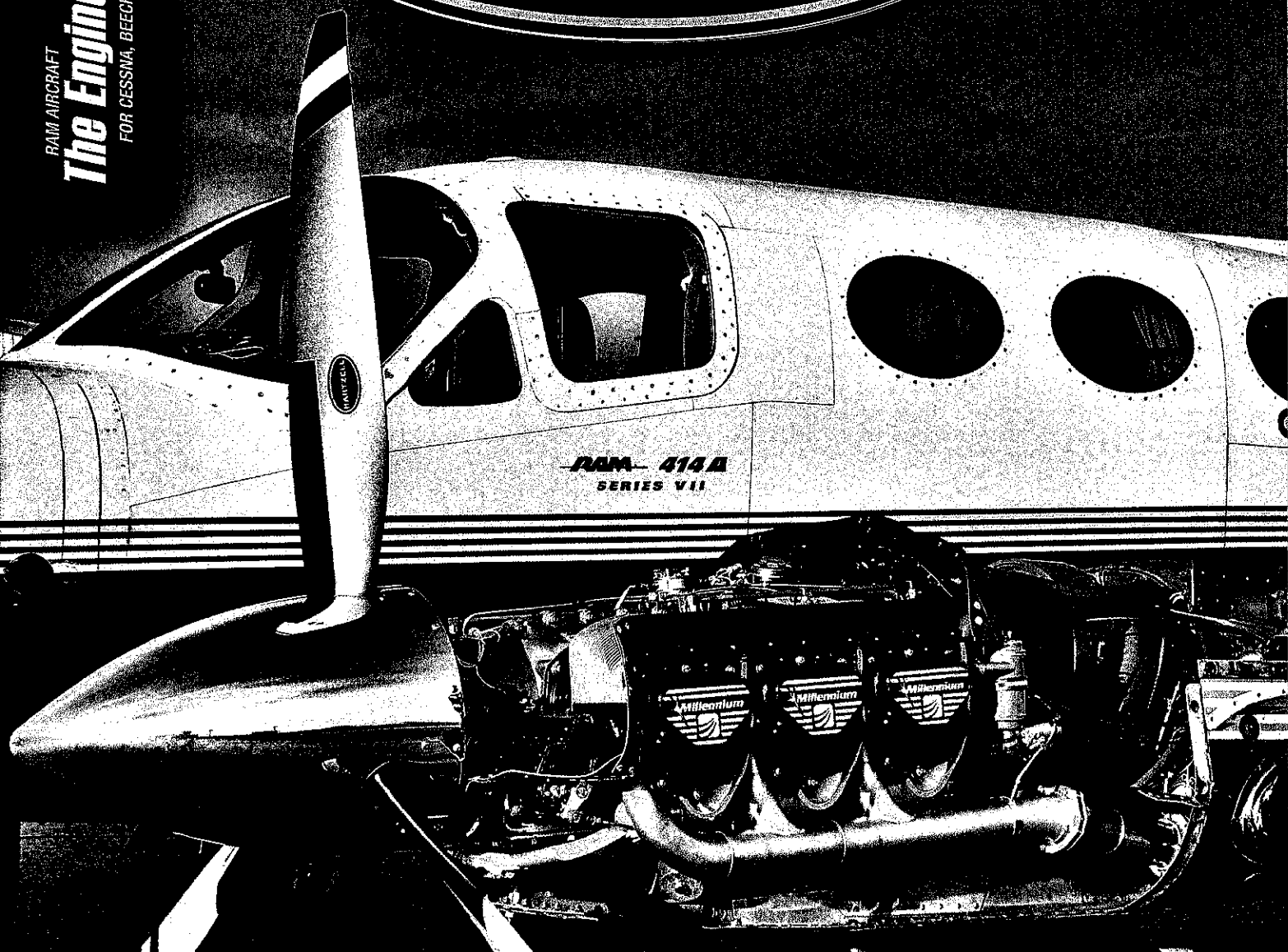
7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. VA1R551K	Signature/Date of Authorized Individual Lawrence P. Garcia 9/23/2021 <i>Lawrence P. Garcia</i>
--	---

RAM AIRCRAFT
The Engine Specialist
FOR CESSNA, BEECHCRAFT, & CIRRIUS AIRCRAFT



ENGINE MAINTENANCE RECORDS

Aircraft Registration _____

Engine Position _____

Engine Serial No. 691327



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. _____

Engine Manufacturer Continental

Model 10-550-N

Serial No. 691327

Date installed on aircraft _____

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

Waco Regional Airport
7505 Karl May Drive • P.O. Box 5219 • Waco, Texas 76708
Phone: (254) 752-8381 Fax: 254-752-3307
www.ramaircraft.com

RAM
RAM Aircraft, Limited Partnership • Waco Regional Airport

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/CMI M-16 and Continental M-0, Standard Practice Maintenance Manual. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnetic particle inspected, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. P dated 07/19/2017. Installed new RAM camshaft p/n 1058-20, s/n XJ20168 as direct PMA replacement of Continental camshaft. Installed new lifters p/n 658088 (int), p/n 605807 (exh). AD 10-11-04 n/a to lifter p/n installed. Installed overhauled Continental crankshaft assembly p/n 649900, s/n N06JA265 per TCM CSB96-8. C/W ultrasonic inspection per MSB96-10B, due at next overhaul or when crankshaft removed. AD 99-19-01 n/a per crankshaft date of manufacture I/A/W TCM MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W TCM Mandatory Service Bulletin MSB00-5D. Engine assembled with overhauled Continental crankcase p/n 656619-8, s/n R06IA306. Installed new Continental steel cylinders. Installed General Aviation Modifications, Inc. TurboGAMIjectors Kit No. TIGT550-19B, s/n16567 per STC SE09217SC. Installed overhauled oil cooler p/n 654585, s/n G07-5672-477. C/W AD89-24-01 R1 per installation of starter adapter p/n 642085A17 with current scavenge pump gears. AD 2012 and MSB11-4B Starter adapter inspection N/A per P/N installed or manufacture date. Engine accessories exchanged for overhauled or new units with exception of prop governor, vacuum pump and alternator which are not installed per this work order. FAA/PMA SKYTECH C24ST5 LIGHT WEIGHT STARTER INSTALLED. THIS WILL REQUIRE A 337 WITH A WEIGHT AND BALANCE CHANGE. SEE WARRANTY TAG FOR DETAILS. Installed overhauled Bendix magnetos. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. P/N 652966 rocker arms installed. Category 1 thru 3 CMI Service Bulletin Compliance Listing in RAM Manual. Engine ground run on test stand per RAM specifications for a minimum of 2.25 hours. Engine run-in with Aeroshell 100 Mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. This engine has been modified in accordance with Engine Technologies, Inc. STC SE10589SC see installation instructions report 22-6460020 and master drawing list number ETI-G2-1 Rev. K Dated 8/30/2012 or current revision. It is the responsibility of installer to ensure all modifications meet current STC requirements. Engine approved for return to service for the work performed. Engine preserved per Continental M-0, Standard Practice Maintenance Manual temp. storage up to 90 days. Pertinent details on file under Project No. 9985.

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco Texas 76708 CRS VA1R551K

				SUB-TOTALS this page
				TOTALS—Carry forward to next page

ENGINE LOG

12-17-2021

Reg: N833KA/N705SA

Make: Cirrus

Hobbs: 1999.2

Eng. S/N: 691317

Model: IO-550N

Tach: 409.2 (1813.5 TT)

TTSMOH: 0.0

STEEL
AVIATION

ALS

1. Installed this engine, IO-550-N S/N 691327, after overhaul by RAM Aircraft.
2. Installed all new (6) Barry Vibration Isolators P/N 96301-01
3. Installed overhauled McCauley Prop Governor P/N C290D3-R/T23, S/N 03-0834
4. Installed overhauled Alt 2, P/N BC410-1, S/N 0553675
5. Installed overhauled Alt 1, P/N ALV-9610, S/N H-Q090191
6. Installed new Fuel supply hose P/N AE7010101E0105
7. Installed 6 new EGT probes P/N 16579-002
8. Installed overhauled turbochargers P/N 466304-9003, S/N's H-XLR00064, H-XLR00065.
9. Installed overhauled waste gate P/N 470842-9004, S/N H-XJO00081
10. Replaced wastegate linkage cable with new
11. Replaced turbo V-band clamps
12. Replaced turbo inlet and outlet check valves with new

Brad Helman A&P 3939968

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ENGINE LOG

12-17-2021

Reg: N833KA/N705SA

Make: Cirrus

Hobbs: 1999.2

Eng. S/N: 691317

Model: IO-550N

Tach: 409.2 (1813.5 TT)

TTSMOH: 0.0

STEEL
AVIATION

1. C/W ANNUAL INSPECTION in accordance with FAR 43 APPENDIX D - Using TCM/Cirrus AMM as a guide.

I certify that this engine has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition

Kevin Pierron A&P 3343189IA

WWW.STEELAVIATION.COM

ENGINE LOG

12-17-2021

Reg: N705SA

Make: Cirrus

Hobbs: 2012.2

Eng. S/N: 691317

Model: IO-550N

Tach: 414.8

TTSMOH:

STEEL
AVIATION



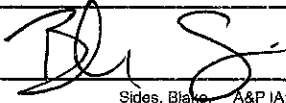


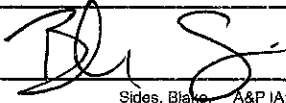


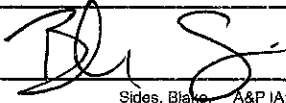

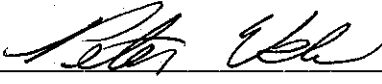

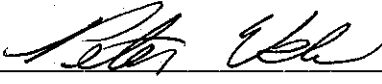

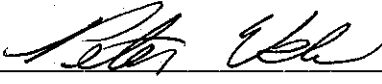


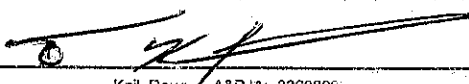


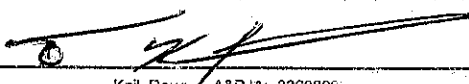


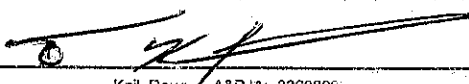
Drained oil, Removed and inspected filter. Serviced with 8 quarts Phillips 20W50, and a new oil filter.

Brad Helman A&P 3939968

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SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK																
				TOTALS brought forward from previous page																
<table border="1"> <tr> <td> REG. NO.: N705SA MAKE: CONT MOTOR MODEL: IO-550-N </td> <td> Engine  Tennessee Aircraft Services, Inc. 2313 Technology Center Drive Jackson, TN 38301 731-424-7227 </td> <td>  CIRRUS PARTNER </td> <td> DATE: April 01, 2022 FLIGHT: 452.8 </td> </tr> <tr> <td colspan="4">Adjusted manifold pressure to 31" with reference to Tornado Alley Instructions for Continued Airworthiness.</td> </tr> <tr> <td colspan="3">Signed: </td> <td>Work Order: 8874</td> </tr> <tr> <td colspan="4">Sides, Blake, A&P IA: 3716170</td> </tr> </table>					REG. NO.: N705SA MAKE: CONT MOTOR MODEL: IO-550-N	Engine  Tennessee Aircraft Services, Inc. 2313 Technology Center Drive Jackson, TN 38301 731-424-7227	 CIRRUS PARTNER	DATE: April 01, 2022 FLIGHT: 452.8	Adjusted manifold pressure to 31" with reference to Tornado Alley Instructions for Continued Airworthiness.				Signed: 			Work Order: 8874	Sides, Blake, A&P IA: 3716170			
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<table border="1"> <tr> <td> Model: SR22T S/N: 2668 Reg. No: N705SA </td> <td>  CONTOUR AVIATION 693 Fitzhugh Blvd. Smyrna, TN 37167 615.534.4600 </td> <td> Date: 4/15/2022 Hobbs: 2086.6 Tach: 467.0 </td> </tr> <tr> <td colspan="3"> Engine Maintenance Accomplished: -Performed oil and filter change. Cut open oil filter. No metal found. Installed new oil filter p/n: AA48108-2 and serviced with 8 qts 20W50X/C. Ops and leak check good. Ref AFMM section 12-20. </td> </tr> <tr> <td colspan="2">Signed: </td> <td>A&P 3434600</td> </tr> <tr> <td colspan="3">For: _____</td> </tr> </table>					Model: SR22T S/N: 2668 Reg. No: N705SA	 CONTOUR AVIATION 693 Fitzhugh Blvd. Smyrna, TN 37167 615.534.4600	Date: 4/15/2022 Hobbs: 2086.6 Tach: 467.0	Engine Maintenance Accomplished: -Performed oil and filter change. Cut open oil filter. No metal found. Installed new oil filter p/n: AA48108-2 and serviced with 8 qts 20W50X/C. Ops and leak check good. Ref AFMM section 12-20.			Signed: 		A&P 3434600	For: _____						
Model: SR22T S/N: 2668 Reg. No: N705SA	 CONTOUR AVIATION 693 Fitzhugh Blvd. Smyrna, TN 37167 615.534.4600	Date: 4/15/2022 Hobbs: 2086.6 Tach: 467.0																		
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For: _____																				
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Signed: 			Work Order: 8904																	
Kail, Doug, A&P IA: 3360806																				
				SUB-TOTALS this page																
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Model: SR22T
S/N: 2668
Reg. No: N705SA



CONTOUR
AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 9/27/2022

Hobbs: 2211.7

Flight: 566.4

Engine

Maintenance Accomplished:

- Performed oil and filter change. Cut open oil filter. No metal found. Installed new oil filter p/n: AA48109 and serviced with 8 qts 100WQT. Ops and leak check good. Ref AMM section 12-20.
- Removed and replaced air conditioning drive shaft housing assembly p/n: 1133180-4 with new part. Ops check good Ref AMM 21-50.

I Certify This Engine Has Been Inspected and Repaired In Accordance With AMM section 12-20 and is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN2880 dated: 9/27/2022.

Signed:

For:

Contour Aviation

Certified Repair Station No FJTR920D

Form CFM 007

Model: SR22T
S/N: 2668
Reg. No: N705SA



CONTOUR
AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 11/11/2022

Hobbs: 2231.9

Flight: 583.9

Engine

Maintenance Accomplished:

- Removed and replaced 2 ea. pushrod tube seals with new parts p/n: 534610. Ops and leak checks good. Ref AMM 72-10 and TCM MM.
- Cleaned, inspected and tested all spark plugs and ignition leads. Verified magneto timing. No discrepancies noted. Ref AMM 74-20.

I Certify This Engine Has Been Inspected and Repaired In Accordance With AMM section 74-20 and is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN2915 dated: 11/11/2022.

Signed:

For:

Contour Aviation

Certified Repair Station No FJTR920D

Form CFM 007

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Model: SR22T
S/N: 2668
Reg. No: N705SA



Date: 9/27/2022
Hobbs: 2211.7
Flight: 566.4

Engine**Maintenance Accomplished:**

- Performed oil and filter change. Cut open oil filter. No metal found. Installed new oil filter p/n: AA48109 and serviced with 8 qts 100WQT . Ops and leak check good. Ref AMM section 12-20.
- Removed and replaced air conditioning drive shaft housing assembly p/n: 1133180-4 with new part. Ops check good Ref AMM 21-50.

I Certify This Engine Has Been Inspected and Repaired In Accordance With AMM section 12-20 and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN2880 dated: 9/27/2022.

Signed: _____
For: Contour Aviation

Certified Repair Station No FJTR920D

Form: CFM 007

Model: SR22T
S/N: 2668
Reg. No: N705SA



Date: 11/11/2022
Hobbs: 2231.9
Flight: 583.9

Engine**Maintenance Accomplished:**



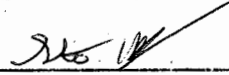
- Removed and replaced 2 ea. pushrod tube seals with new parts p/n: 534610. Ops and leak checks good. Ref AMM 72-10 and TCM MM.
- Cleaned, inspected and tested all spark plugs and ignition leads. Verified magneto timing. No discrepancies noted. Ref AMM 74-20.

I Certify This Engine Has Been Inspected and Repaired In Accordance With AMM section 74-20 and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN2915 dated: 11/11/2022.

Signed: _____
For: Contour Aviation

Certified Repair Station No FJTR920D

Form CFM 007

REG. NO.: N705SA MAKE: CONT MOTOR MODEL IO-550-N S/N: 691327	<div style="text-align: center;"> Engine  Tennessee Aircraft Services, Inc. 2313 Technology Center Drive Jackson, TN 38301 731-424-7227 </div> <div style="text-align: right;">  CIRRUS PARTNER </div>	DATE: January 17, 2023 Engine TT: 2240.1 Engine SOH: 418.7 HOBBS: 2240.1 FLIGHT: 589.9
<ol style="list-style-type: none"> 1. Performed 100 hour inspection with reference to FAA CRS 43 Appendix D. 2. Drained engine oil and took sample for analysis. Removed oil filter and opened for inspection with no discrepancies noted. Installed new filter and serviced engine with oil. Engine ground check run satisfactory. Installed P/N AA48108-2 - Filter, (8) P/N Phillips XC 20W50 - Oil. 3. Compressions: 1-75, 2-62, 3-72, 4-66, 5-73 & 6-70. Master orifice 44/80. 4. Performed engine cylinder borescope inspection with no discrepancies noted. 5. Magneto to engine timing checked and found within specifications. 6. Exhaust system pressure tested and inspected with no discrepancies note. 7. Adjusted rod end at the propeller governor so it hits the stop properly. 8. Serviced and recharged the induction air filter in accordance with Turbo Alley ICA TAT SI08-05. Installed (1 oz) P/N 04-6780001 - Air Filter Recharge Kit. 9. Timed left magneto to 21.5° BTDC in accordance with TAT ICA 22-6460004 para "Magnetos". 10. Timed right magneto to 21.5° BTDC in accordance with TAT ICA 22-6460004 para "Magnetos". 11. Cleaned and adjusted the right wastegate dump elbow and installed new lower waste gate gasket and v-band clamp. Next replacement due no more than 450 hours TIS or 350 hours TIS if the clamps are removed prior to accumulating 350 hours. Installed P/N FG0120830 - Wastegate Gasket, Installed P/N 11-1100023 - V-Band Clamp. 12. Cleaned and adjusted the left wastegate dump elbow and installed new lower waste gate gasket and v-band clamp. Next replacement due no more than 450 hours TIS or 350 hours TIS if the clamps are removed prior to accumulating 350 hours. Installed P/N 11-1100023 - V-Band Clamp, Installed P/N FG0120830 - Wastegate Gasket. 13. Installed 12 new spark plugs in accordance with continental M-0 Appendix B chart B2. Installed (2) P/N URHB32E - SPARK PLUG, Installed (10) P/N URHB32E - SPARK PLUG. 		
Signed: _____ <div style="text-align: center;">  Hooten, Steven, A&P IA: 3531330 </div> <div style="text-align: right;"> Work Order: 8999 </div>		

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Model: SR22T
S/N: 2668
Reg. No: N705SA



Date: 4/6/2023
Hobbs: 2288.1
Flight: 627.4

Engine

Maintenance Accomplished:

-Performed oil and filter change. Cut open oil filter. No metal found. Installed new oil filter p/n: AA48108-2 and serviced with 8 qts 20W50X/C. Ops and leak check good. Ref AMM section 12-20.

I Certify This Engine Has Been Inspected and Repaired In Accordance With AMM section 12-20 and is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN2994 dated: 4/6/2023.

Signed: _____

For: Contour Aviation

Certified Repair Station No FJTR920D

Form CFM 007

Belle Aircraft Maintenance 20 Lindbergh Ln, Fletcher, NC 28732

6/16/2023 N705SA SR-22 H/M:2331.3 F Time:662.8

Engine Log

Complied with oil and filter change. Inspected oil filter element. Installed new filter P/N AA48108-2. Serviced engine with 8Qts Phillips 20w-50 oil. Ground run and leak check satisfactory.

Patrick E. Gray

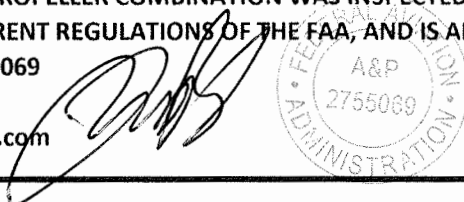
3518803 A&P

 AVIATION RESOURCES 101 Airport Ave, Hangar7 Cumberland, WI 54829	N705SA	ENGINE LOG BOOK ENTRY				6/12/2023	
	Cirrus	SR 22	S/N 2668	Flight	656.3	Hobbs	2322.4
	Continental	IO550N	S/N 691327	Flight		Hobbs	
	Hartzell		S/N	Flight		Hobbs	

Removed cowling. Removed left magneto and ignition harness. Installed SureFly Partners Ltd. Electronic Ignition module, Model SIM6C Rev F, S/N 6C-5022008 – IAW SE04349CH and AML dated 10/31/18; airframe equipment installed under STC SA04378CH. Installed new SureFly non-crossfire ignition harness P/N AR3002-204 to lower spark plugs. Routed right magneto plug wires to top plugs. This is considered a minor alteration. Manifold Pressure reference is NOT installed. Powered through 10-amp ATI fuse wired to hot side of MCU battery lug. Fuse holder placed on inboard side of battery #1 support tray. See FAA 337 form dated 06/12/2023. POH supplement installed in POH; limitations placard installed on center console. Set magneto-to-engine timing Left (Surefly) to 22.5° BTDC and right to 20.5° BTDC. Replaced pressurized mag filter P/N 1396-2. Replaced TIT probe P/N ETI-G2-711. Replaced scriveners in baffle seals. Tightened propeller rod end 1.5 turns. Replaced right hand exhaust manifold P/N 22-6850003. Replaced left and right tailpipe sceet hoses. Adjusted wastegate clocking and repositioned spring arm. Replaced spring P/N LEM120D03S and clevis pins P/N MS20392-1C13 and MS20392-2C13. Removed and reinstalled left side heat shields. Replaced rod support wear sleeve P/N 22-6200048. Ground run found satisfactory. Installed cowling. (Refer to Job #705SA2 for details.)

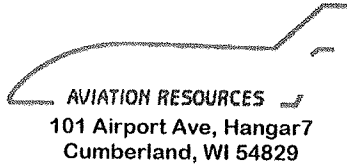
THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA, AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069
Cell (715) 491-1303
Email jim@aviationvibes.com



AVIATION RESOURCES, LLC
Hangar (715) 822-5787
www.aviationvibes.com

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
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 AVIATION RESOURCES 101 Airport Ave, Hangar7 Cumberland, WI 54829	N705SA	ENGINE LOG BOOK ENTRY					6/13/2023
	Cirrus	SR 22	S/N 2668	Flight	656.3	Hobbs	2323.6
	Continental	IO550N	S/N 691327	Flight		Hobbs	
	Hartzell		S/N	Flight		Hobbs	

Removed cowling. Replaced Nr 1 EGT probe P/N 16579-002. Adjusted propeller governor 3 turns in. Replaced propeller governor oil pressure relief o-ring P/N B20923-2 and plug P/N B20255. Ground run found satisfactory. Installed cowling. (Refer to Job #705SA2 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.

JIM BARKER A&P/IA 2755069

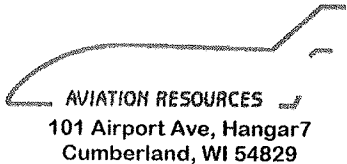
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www.aviationvibes.com

 AVIATION RESOURCES 101 Airport Ave, Hangar7 Cumberland, WI 54829	N705SA	ENGINE LOG BOOK ENTRY					6/14/2023
	Cirrus	SR 22	S/N 2668	Flight	658.0	Hobbs	2325.2
	Continental	IO550N	S/N 691327	Flight		Hobbs	
	Hartzell		S/N	Flight		Hobbs	

Removed cowling. Removed Nr 6 fuel injector nozzle size "D" and replaced with size "B" P/N TIGT-550-19B-B. Increased fuel flow 1/2 turn. Replaced Nr 1 alternator P/N ES10024 S/N H-X041365. Inspected turbochargers. Replaced left exhaust dump tube P/N 22-6100031. Ground run and leak check found satisfactory. Installed cowling. (Refer to Job #705SA2 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.

JIM BARKER A&P/IA 2755069

Cell (715) 491-1303

Email jim@aviationvibes.com

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SUB-TOTALS this page

TOTALS—Carry forward to next page

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 AVIATION RESOURCES 101 Airport Ave, Hangar 7 Cumberland, WI 54829	N705SA	ENGINE LOG BOOK ENTRY				6/14/2023	
	Cirrus	SR 22	S/N 2668	Flight	657.5	Hobbs	2324.4
	Continental	IO550N	S/N 691327	Flight		Hobbs	
	Hartzell		S/N	Flight		Hobbs	

Removed cowl. Replaced Nr 2 and 4 CHT probes P/N 16578-001. Replaced manifold pressure sensor P/N 12635-003. Adjusted propeller governor rod end 3 turns in and throttle rod end 3 turns in. Adjusted oil pressure up 1/2 turn. Increased fuel flow 1/2 turn. Removed Nr 1 fuel injector nozzle size "E" and installed serviceable size "J" P/N TIGT-550-19B-J(U). Removed Nr 3 fuel injector nozzle, cleaned and reinstalled. Removed Nr 5 fuel injector nozzle size "E" and installed size "G" P/N TIGT-550-19B-G. Removed Nr 6 fuel injector nozzle size "E" and installed serviceable size "D" P/N TIGT-550-19B-D(U). Ground run and leak check found satisfactory. Installed cowl. (Refer to Job #705SA2 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.

JIM BARKER A&P/IA 2755069

Cell (715) 491-1303

Email jim@aviationvibes.com

AVIATION RESOURCES, LLC

Hangar (715) 822-5787

www.aviationvibes.com

Model: SR22T

S/N: 2668

Reg. Nr: N705SA



693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 7/19/2023

Hobbs: 2379.7

Flight: 704.9

Engine

Maintenance Accomplished:

- Complied with oil and filter change. Cut open filter. No metal found. Installed new oil filter p/n: CH48108-1 and serviced with 8 qts 20W50X/C. Ops and leak Checks good. Ref AMM 12-20.

I Certify This Engine Has Been Inspected and Repaired In Accordance With current Cirrus Aircraft Manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN3051 dated: 7/20/2023.

Signed:

For: **Contour Aviation**

[Signature]
Certified Repair Station No FJTR920D

Form CFM 007



Thoroughbred Aviation Maintenance, Inc.
Engine



Engine: Continental IO-550-N
Engine SN: 691327
WO: 233490

Date: 09/19/2023

AC: N705SA

Hobbs: 2434.6

Type: Cirrus SR 22

AC SN: 2668

Flight: 755.1

1. Removed cowl. Tightened induction clamps. Removed intercoolers and removed spark plugs. Cleaned and tested. Replaced plugs 1T, 3T, and 4T due to failed resistance check with new PN URHB32E. Reinstalled all plugs and intercoolers. Ran aircraft to verify acceptable performance. Reinstalled cowl.

-----End-----

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. **WO: 233490** **N-Number: N705SA** **Date: 09/19/2023**

Signed: *[Signature]*

CRS: R81R199Y

SUB-TOTALS this page

TOTALS—Carry forward to next page

REG. NO.: N705SA
MAKE: CONT MOTOR
MODEL: IO-550-N
S/N: 690327

Engine



Tennessee Aircraft Services, Inc.
2313 Technology Center Drive
Jackson, TN 38301
731-424-7227



DATE: March 04, 2024
Engine TT: 2201.3
Engine SOH: 387.8
FLIGHT: 797.0
HOBBBS: 2476.5

1. Performed 100 hour inspection with reference to FAA CRS 43 Appendix D.
 2. Drained engine oil and took sample for analysis. Removed oil filter and opened for inspection with no discrepancies noted. Installed new filter and serviced engine with oil. Engine ground check run satisfactory. P/N Oil Analysis Kit - Blackstone, (8) P/N Phillips XC 20W50 - Oil, P/N AA48108-2 - Filter, (11) P/N AN4027-1 - washer.
 3. Compressions: 1- 70/80, 2-53/80, 3-70/80, 4-55/80, 5-65/80 & 6-55/80. Master orifice 44/80.
 4. Performed engine cylinder borescope inspection with no discrepancies noted.
 5. Magneto to engine timing checked and found within specifications.
 6. Exhaust system pressure tested and inspected with no discrepancies noted.
 7. Spark plugs removed, cleaned, inspected, gapped, resistance check, ops checked and reinstalled with new gaskets.
 8. Installed new O-ring on the starter in accordance with Continental Maintenance Manual M-18 Chapter 10-4.5 paragraph 1-9. P/N AS3578-038 - o-ring, Starter (TCM).
 9. Serviced air filter in accordance with Tornado Alley Turbo Inc. Service Instructions TAT SI08-05 REV A. (1 oz) P/N 04-6780001 - Air Filter Recharge Kit.
 10. Torqued the power wire screw on the SIM and new self-locking washer IAW Surely SIM 6C Installation Manual SF 1003, Revision D Page 11.
 11. Timed left magneto in accordance with Continued Airworthiness Manual For Cirrus Design SR22 Series Airplanes Turbonormalized per STC's SA10588SC and SE10589SC Page 22 Section Magnetos and Continental Maintenance Manual M-0 Section 6-4.9.1.2.
 12. Installed new spark plug in accordance with Continental Maintenance Manual M-0 Chapter 6-4.9.2 para 7-11. Installed P/N URHB32E - SPARK PLUG.
- Work performed by Blake Sides, Steve Hooten, Doug Kail, and Rukang Chikomb

Signed:

Work Order: 9210

Sides, Blake, A&P IA: 3716170

Model: SR22T
S/N: 2668
Reg. No: N705SA



CONTOUR
AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 5/22/2024
Hobbs: 2507.9
Flight: 822.8

Engine

Maintenance Accomplished:

-Complied with oil and filter change. Cut open filter. No metal found. Installed new oil filter p/n: CH48108-1 and serviced with 8 qts 20W50X/C. Ops and leak checks good. Ref AMM 12-10.

I Certify This Engine Has Been Inspected and Repaired In Accordance With current Aircraft Manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN3225 dated: 5/22/2024.

Signed:

For:

Contour Aviation

Certified Repair Station No FJTR920D

Form CFM 007

Model: SR22T
S/N: 2668
Reg. No: N705SA



CONTOUR
AVIATION

693 Fitzhugh Blvd.
Smyrna, TN 37167
615.534.4600

Date: 9/13/2024
Hobbs: 2579.2
Flight: 383.2

Engine

Maintenance Accomplished:

-Complied with oil and filter change. Cut open filter. No metal found. Installed new oil filter p/n: CH48108-1 and serviced with 8 qts 20W50X/C. Ops and leak checks good. Ref AMM 12-10.

I Certify This Engine Has Been Inspected and Repaired In Accordance With current Aircraft Manuals and Is Approved For Return To Service with respect to the work performed. Pertinent details of the work performed are on file at this repair station Under Work Package JWN3289 dated: 9/13/2024.

Signed:

For:

Contour Aviation

Certified Repair Station No FJTR920D

Form CFM 007

TOTALS—Carry forward to next page

