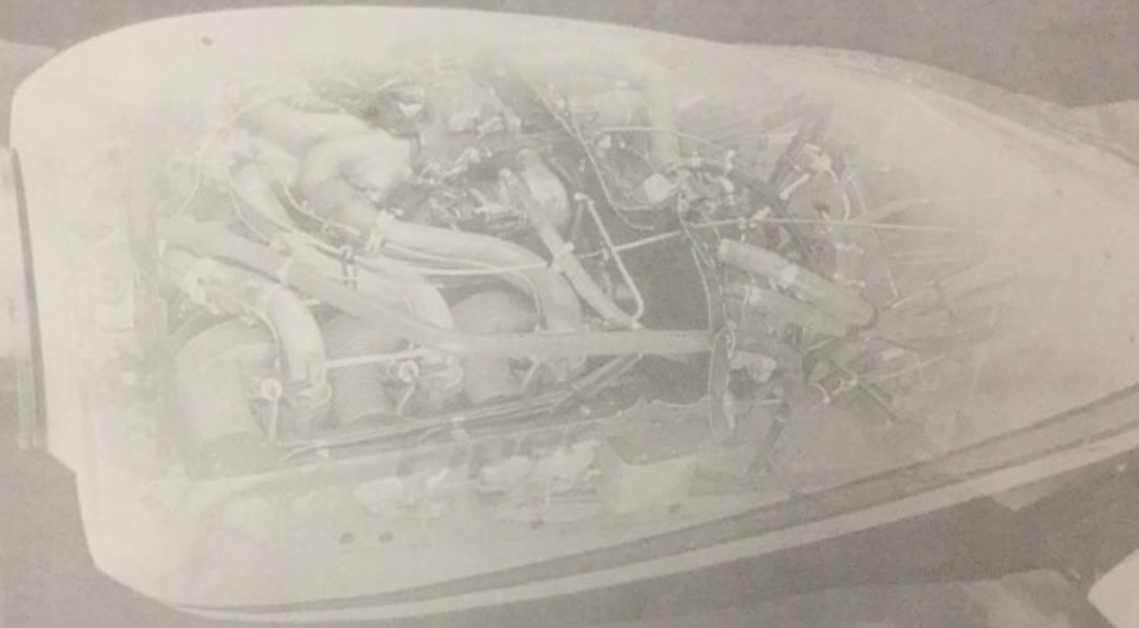


ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 06/27/2002

This engine model **I0550N7**, Serial No. **686321** was manufactured on **06/26/2002** by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.


TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

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

7-16-02 0

Serviced Engine with 8 Qts of Phillips 20W50 Straight Mineral Oil on 7/16/02 by 

8-29-02 27 4

Replaced mineral oil with 8 qts saw run up no leaks replaced oil filter
8-31-02

108

4/1/03 783

changed oil + P.1105. 8QT 15W-50 AeroShell was added. adjusted the idle. The engine was washed down, run and checked for leaks.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

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

No. 115775 Date 4/1/03
Signed [Signature]
G-Force Aviation, Inc.
Akron/Canton Regional Airport
Building #17
North Canton, Ohio 44720
FAA Repair Sta. G25F2357

ENGINE LOGBOOK ENTRY

DATE 11-03-2003 REG. NO. N874CD
MAKE CONTINENTAL MODEL IO-550-N7 SN 686321
TACH TIME 87.1 TOTAL TIME 87.1
PERFORMED A 100 HR./ANNUAL INSPECTION IN ACCORDANCE WITH THE AIRCRAFT 100 HR. INSPECTION FORM. ALL ROUTINE ITEMS WERE COMPLETED. SEE CURRENT AD LIST FOR AD'S THAT WERE COMPLIED WITH. THE FOLLOWING MAINTENANCE ITEMS WERE COMPLETED. INSTALLED AN E-Z HEAT ENGINE PREHEATER, CHANGED OIL, USED AEROSHELL 15W50 OIL AND A CHAMPION CH48108 OIL FILTER, REMOVED AND CLEANED FUEL INJECTORS, REINSTALLED.
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION THIS DATE.
SIGNED Wesley S. Hines

WESLEY S. HINES A&P 1246026 IA
COMPRESSION CHECK

1	2	3	4	5	6
80	80	80	80	80	80

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	→				

1/7/05 Hobbs 119.5 N874CD ENGINE

Performed an Annual Inspection. Compression Check. #1 75/80 #2 69/80 #3 72/80 #4 77/80 #5 69/80 #6 72/80. Changed oil and filter. 8qt. 15W-50 Aeroshell was added. The plugs were cleaned, gapped and rotated. Checked the magneto timing. Replaced the air filter. C/W Cirrus SB 2X-78-04R1 #4 & #5 Exhaust Header inspection. Installed kit 70048-001 as instructed. C/W Cirrus SB 2X-80-01 Starter Inspection. Replaced the subject starter with a new starter P/N 656181B2-24V S/N 04-264-0075. Removed the #2 alternator for repair by B&C Specialties. Reinstalled the repaired starter. Removed the starter adapter and installed a Continental rebuilt adapter P/N 642083A12. Replaced the EGT probe. Cleaned fuel screens and lubed controls. The engine was washed down, ran and checked for operation and leaks. AD's were checked through 2004-26

TACHOMETER 119.5 TOTAL TIME 119.5
 I CERTIFY THAT
 THIS (Engine) HAS BEEN INSPECTED IN
 ACCORDANCE WITH AN (Annual)
 INSPECTION AND WAS DETERMINED TO BE IN
 AIRWORTHY CONDITION. PERTINENT DETAILS OF
 THE REPAIR ARE ON FILE AT THIS AGENCY
 UNDER WORK ORDER:
 NO. 178258 thru 178263, 178211 & 178297
 DATE 1/7/05 SIGNED Harold B. [Signature]
 G-FORCE AVIATION, INC. ID 270667336
 AKRON/CANTON AIRPORT
 NORTH CANTON, OHIO 44720
 FAA REPAIR STA. G25R235Y

3/29/2005

DRAIN OIL & REPLACED WITH 8 QTS OF
TACH163,3 AEROSHELL 15W50. REMOVED FILTER
AND REPLACED WITH CHAMPION
CH48108 FILTER.

By *Heatwood* AIP585122494

Aero Structures, Inc
4765 Frank Luke Drive

CRS QRQR810L
Addison, TX 75001

Ph 972-267-2376
Fax 972-267-2377

N874CD

Cirrus Design Corp. SR-22

S/N-0285

ATT- 205.1

Engine:

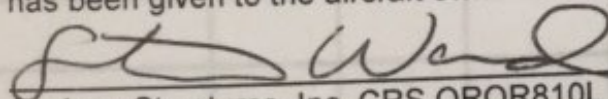
Continental IO-550-N (7)

S/N-686321

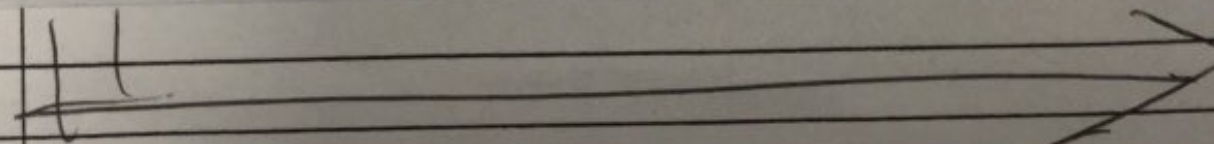
ETT- 205.1

Performed engine compression check 1)72/80, 2)70/80, 3)74/80, 4)72/80, 5)72/80, 6)70/80. Master Orifice: 40. Drained oil, and installed new ES48108 filter and 8 quarts AeroShell 15W50. Cleaned and gapped spark plugs. Cleaned and reinstalled fuel nozzles using new o-rings. Replaced intake tube gaskets on #2 and #4 cylinders P/N: 649950, 2ea. Tightened all rocker cover gasket screws.

The previously described work was performed and inspected in accordance with a 100hr/annual inspection using the Cirrus SR-22 maintenance manual checklist, and current rules of the Federal Aviation Administration and a list of discrepancies and unairworthy items has been given to the aircraft owner. Pertinent details are on file at this repair station under Work Order 060127.


for Aero Structures, Inc. CRS QRQR810L

Date: 03-06-2006



Engine Service and Maintenance Record

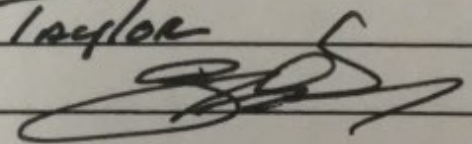
Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

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

Brought Forward →

12/28/06

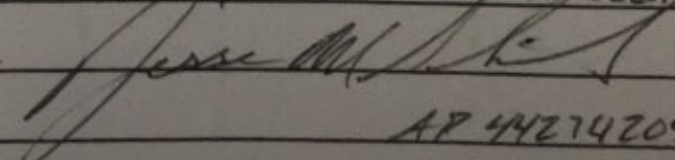
Drain oil: replaced w/ 8 qts;
 New Filter. Cleaned: gapped plugs
 Oil @ Aeroshell 15w-50
 Filter Tempest 48108
 Brett Taylor



4/12/07

317 0

PERFORMED 100/ANNUAL INSPECTION. COMPRESSION
 1 78/80 2 77/60 3 78/80 4 78/60 5 79/80 6 77/80 CHANGED OIL
 & FILTER REPLACED 8 QTS AEROSHELL 15W 50
 CLEANED & GAPPED PLUGS, CHECKED TIMING
 REPLACED AIR FILTER BA-24 CLEANED INJECTORS
 GROUND RAN OK



AP 442742056

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition."

Total Time 317.0 Date 4/12/07

Sig [Signature] A & P. 513566435 IA

[Signature]

Aero Structures, Inc
4765 Frank Luke Drive

CRS QRQR810L
Addison, TX 75001

Ph 972-267-2376
Fax 972-267-2377

N874CD **Cirrus Design Corp. SR-22**
Prop: **Hartzell- PHC-J3YF-1RF**

S/N-0285 **ATT- 205.1**
S/N- FP1835B **PTT- 205.1**

Dressed prop blades. The previously described work was performed and inspected in accordance with a 100hr/annual inspection using the Cirrus SR-22 maintenance manual checklist, and current rules of the Federal Aviation Administration and a list of discrepancies and unairworthy items has been given to the aircraft owner. Chapter 5-20. Pertinent details are on file at this repair station under Work Order 060127.

[Signature]
for Aero Structures, Inc. CRS QRQR810L

Date: 03-06-2006

[Signature]



Autopilots Central, Inc.

Hangar 23, Tulsa International Airport - Tulsa, OK 74115

P.O. Box 582108 - Tulsa, OK 74158

(918)836-6418 - Fax (918)832-0136

FAA CRS CM2R747K

EN61A1E - Logbook Entry

Sold To: OPM
1045 Keystone Ave.
Catoosa, OK 74015 USA

Work Order: MA07-02054
Acct Number: (918)760-6771
Department: Maintenance

Opened: 8/10/2007
Closed: 8/15/2007

General Comments:

Owner is Bret Taylor.

Aircraft Number:	N874CD	Type:	CIRRUS SR22	S/N:	0285		
Total Time: 353.7		Hobbs Time: 353.7		Tach Time: 0.0	LG Cycles:		
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-550-N(7)	686321	353.7		PHC-H3YF-1RF	FP1835B	353.7

Discrepancy: 1

Action Taken:

CW SB A2X-95-10 R2 ATA 95-00: Special Equipment CAPS Pick Up Support inspection and replacement, by installing KIT PN 70181-002.

Note:

This Discrepancy is covered under warranty.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
70181-002	Kit, CAPS A2X-95-10		1.00	Each				\$

Discrepancy: 2

Action Taken:

CW SB 2X-95-09 R1 ATA 95-00: Special Equipment CAPS Strap Abrasion Inspection and installing Kit PN 70142-001.

Note:

This Discrepancy is covered under warranty.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
70142-001	Kit, Sheath, Caps Strap		1.00	Each				\$

Discrepancy: 3

Action Taken:

CW SB 2X-27-14R2 ATA 27-00: Flight Controls Rudder-Aileron Interconnect Modification, by repositioning interconnect clamps.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
AN3-5	Bolt		1.00	Each				\$
AN525-1032R12	Screw		2.00	Each				\$
MS17825-3	Nut		1.00	Each				\$

Discrepancy: 4

Action Taken:

Verified customer complaint, the autopilot was inoperative. Removed the # 2 GNS430 and the transponder to get access to the autopilot controller unit and rack. Removed S TEC 55X controller unit p/n 01192-34-61T-30 unit s/n 4469. Inspected pins on the unit and receptacles in the rack. Installed controller and seated firmly in its rack. Autopilot went through its ground test. Installed the # two 430 and transponder. Test flew a/c with proper autopilot operation.

Discrepancy: 5

Action Taken:

Installed single exhaust hanger kit 70106-001 per SB 2X-78-05R1.

Part Number	Description	Credit	Quantity	Units	List Price	Disc	Unit Price	Extended
70106-001	Kit, Exhaust Hanger		1.00	Each				\$

W/O # MA07-02054
DATE 8/15/07 HRS 353.7 HM
AUTOPILOTS, CENTRAL, INC.
TULSA, OK 74115
SIGNATURE *[Signature]*
FAA CRSCM2R747K

8/07

CHANGED OIL & FILTER AEROSHELL 15 50W

5/29/08

ACTT 389.5

Eng TSN 389.5

PERFORMED 100/ANNUAL INSPECTION
COMPRESSION #1 $7\frac{7}{80}$ #2 $7\frac{7}{80}$ #3 $7\frac{7}{80}$ #4 $7\frac{7}{80}$
#5 $7\frac{7}{80}$ #6 $7\frac{7}{80}$ CLEANED AND GAPPED PLUGS,
DRAINED OIL REPLACED WITH AEROSHELL 15 50W
REPLACE OIL FILTER WITH NEW. FIXED
SCAT HOSE STAND OFF BRACKET. GROUND
RUM CHECKED OK.

[Signature] AP442742.056

I certify that this aircraft has been inspected in
accordance with an Annual inspection
and was determined to be in airworthy condition."

Total Time 389.5 Date 5/29/08

By *[Signature]* A & P 5135664351A

See current AD log list in aircraft records.

Engine Service and Maintenance Record

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

Date

Total Time

Time Since Last Overhaul

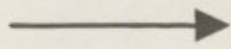
Hrs.

Min.

Hrs.

Min.

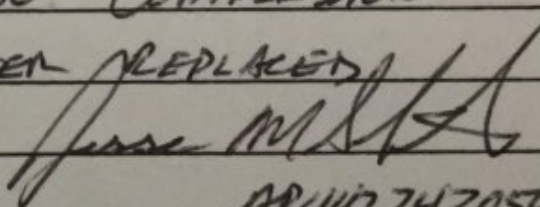
Brought Forward



8/09

MOBBS

437.5

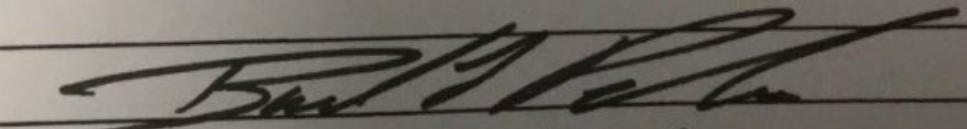
PERFORMED 100 HR/ANNUAL INSPECTION
 REMOVED SPARK PLUGS REPLACED WITH NEW.
 DRAINED OIL REPLACED OIL FILTER & OIL
 WITH AEROSHELL 15W 50 COMPRESSION
 ALL 70+80. AIR FILTER REPLACED
 GROUND RUN CHECK OK. 
 AP442742056

8/21/09

437.5

ACTT 437.5

I certify this engine has been inspected
 in accordance with an annual inspection and
 was determined to be in an airworthy condition.
 See current AD note list in aircraft records.


 AP5135664351A

9/13/2010

HOBBS

457.0

PERFORMED 100 HR/ANNUAL INSPECTION
DRAINED OIL REMOVED FILTER REPLACED
WITH NEW 48108-1 AEROSHELL 15W50, CHECKED
TIMING. CLEANED + GAPPED PLUGS. REPLACED
BATTERY RG24-11M. COMPRESSION ALL 70%/80.
GROUND RUN OK *[Signature]* AP4412742

9/13/2010

Hobbs

457.0

ACT 457.0

I certify this engine has been inspected in accordance
with a 100 HR/Annual inspection and was determined
to be in an airworthy condition. See current AD note
list in aircraft records.

[Signature]
AP 5135664351A

10/17/11 Hobbs: 496.3 ETT: 496.3 IO-550N s/n 686321

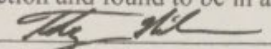
Inspected engine in accordance with FAR 43 appendix D and Cirrus service manual checklist.
Compression test #1/72 2/ 72 3/74 4/74 5/76 6/73. Changed oil and filter, serviced with 8 quarts of
Aeroshell 15W50 and CH48108-1 filter. Cleaned all fuel injectors. Bore scoped engine no defects noted.
Replaced induction air filter. Magnetos timed to engine. Removed oil cooler, flushed and reinstalled. Ran
engine and checked for leaks none noted. I certify that this engine has been inspected in accordance with an
annual inspection and found to be in an airworthy condition.

Toby Nicholes

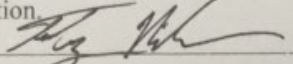
[Signature]

AP35101811A.

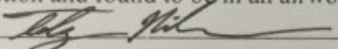
10/17/11 Hobbs: 496.3 PTT: 496.3 PHC-J3YF-1RF s/n FP1835B

Inspected Prop in accordance with FAR 43 appendix D and Cirrus service manual checklist. Lubed prop.
Ran engine and checked for leaks none noted. I certify that this Prop has been inspected in accordance with
an annual inspection and found to be in an airworthy condition.
Toby Nicholes  AP3510181.

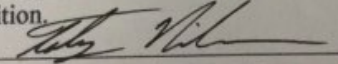
11/12/2012 Hobbs: 532.3 ETT: 532.3 IO-550N s/n 686321

Inspected engine in accordance with FAR 43 appendix D and Cirrus service manual checklist.
Compression test #1/73 2/ 74 3/74 4/73 5/75 6/76. Changed oil and filter, serviced with 8 quarts of
Aeroshell 15W50 and CH48108-1 filter. Cleaned all fuel injectors. Bore scoped engine no defects noted.
Replaced induction air filter. Magnetos timed to engine. Ran engine and checked for leaks none noted. I
certify that this engine has been inspected in accordance with an annual inspection and found to be in an
airworthy condition.
Toby Nicholes  AP3510181IA

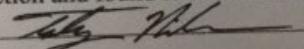
11/12/2012 Hobbs: 532.3 PTT: 532.3 PHC-J3YF-1RF s/n FP1835B

Inspected Prop in accordance with FAR 43 appendix D and Cirrus service manual checklist. Lubed prop.
Ran engine and checked for leaks none noted. I certify that this Prop has been inspected in accordance with
an annual inspection and found to be in an airworthy condition.
Toby Nicholes  AP3510181.

09/26/2013 Hobbs: 551.1 ETT: 551.1 IO-550N s/n 686321

Inspected engine in accordance with FAR 43 appendix D and Cirrus service manual checklist.
Compression test #1/73 2/ 71 3/69 4/73 5/71 6/72. Changed oil and filter, serviced with 8 quarts of
Aeroshell 15W50 and AA48108-1 filter. Cleaned all fuel injectors. Bore scoped engine no defects noted.
Replaced induction air filter. Magnetos timed to engine. Ran engine and checked for leaks none noted. I
certify that this engine has been inspected in accordance with an annual inspection and found to be in an
airworthy condition.
Toby Nicholes  AP3510181IA.

09/26/2013 Hobbs: 551.1 PTT: 551.1 PHC-J3YF-1RF s/n FP1835B

Inspected Prop in accordance with FAR 43 appendix D and Cirrus service manual checklist. Lubed prop.
Ran engine and checked for leaks none noted. I certify that this Prop has been inspected in accordance with
an annual inspection and found to be in an airworthy condition.
Toby Nicholes  AP3510181.



BROADIE'S AIRCRAFT

Meacham International Airport
4701 N. Main St., Loc 44N, Fort Worth, Texas 76106
817-626-1532 www.BroadiesAircraft.com

Record
al Inspections,

SUPPLEMENTAL LOG BOOK ENTRY

Aircraft Registration #	N874CD	S/N:	285	TSN	565.1
Engine:	TCM	IO-550-N	S/N: 686321	HOBBS	565.1
Description of work performed:	Engine				

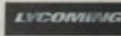
- Completed an annual inspection using the Cirrus inspection guide.
- Compression check hot: #1) 75/80 #2) 74/80 #3) 78/80 #4) 74/80 #5) 75/80 #6) 76/80
- Drained oil. Removed ext spin-off filter P/N AA48108-2, cut open and inspected with no defects noted at this time. Installed new ext spin on filter P/N CH48108-1. Added 8 qts Aeroshell 15W50.
- Installed new induction air filter P/N BA-24
- Installed MS35769-12 crush gasket on ACC case oil plug
- Installed (6) new fuel injector gaskets P/N 640612
- Installed new injector o'rings P/N 603979-9
- Removed started adapter 642083212 S/N WAA01825 and sent out for overhaul. Installed overhauled starter adapter 642083212 S/N QAA61825 and Skytec starter C245T5 S/N 415-301401
- Complied with 500 hour inspection on left and right magnetos IAW Ch 6-23 of the TCM magneto service support manual. Installed (2) new contactors P/N 10-382584, (2) new carbon brushes P/N 10-160844 with (2) new ag gaskets P/N 649954. Installed on engine and timed IAW the TCM IO-550N MM

All work was done IAW the manufacturers service instructions and the aircraft is approved for return to service in regards to the work performed. I certify this aircraft has been inspected and has been determined to be in an airworthy condition.

Signature:

3480851 A&P/IA

Date: 4/10/2015



Repair Order # 14-000158



Jonathan Bogan A&P/IA
321 W. 6TH Ave.
Bristow, OK. 74010
(918)760-8050

N874CD
5/20/2016

Engine: IO-550 N7
Hobbs Time:586.8

S/N:686321
Engine TT:586.8

- Drained engine oil. Serviced with 8 Quarts Aeroshell 15W50 oil.
- Removed oil filter and inspected for metal particles. Inspected oil screen for metal particles. None found. Installed new oil filter CH48108-1 and reinstalled oil screen.
- Removed, cleaned, inspected, gapped, and reinstalled spark plugs.
- Performed compression check: #1. 72/80 #2. 70/80 #3. 73/80 #4. 74/80 #5. 74/80 #6. 74/80
- Checked magneto to engine timing. No defects noted.
- Removed fuel pump and installed new fuel pump P/N: 655921-4 S/N: A0K9103180 Operational check good.

I certify that this engine has been inspected in accordance with the applicable criteria of FAR Part 43 Appendix D and was determined to be in airworthy condition.

Jonathan Bogan A&P3162931 IA

brought Forwa



16111 Addison Road, Suite 100, Addison, TX 75001
972-866-8814

**ENGINE LOGBOOK ENTRY
N874CD**

Cirrus SR-22 S/N 0285 Hobbs: 608.4 AFTT: 608.4 12/09/2016
Continental IO-550-N7 S/N 686321 TSN: 608.2

Removed filter, cut and inspect removed filter no metal found, Installed AA48108-2 filter, Added 1 quart Aeroshell 15W50 and 1 can Camguard, Install 6ea P/N 653888 Intake lifters and #1 & #3 exhaust lifter P/N 658077 reconditioned at CRS#UI1R533K under WO#184326 & 184327 reinstalled, checked pushrod clearances and installed new gaskets, seals and keepers as needed, Aircraft ground run and leak checked. I certify this engine has been inspected and/or repaired in accordance with current Federal Aviation Regulations and has been determined to be in airworthy condition with respect to work performed.

Joseph L Brown
A&P2226812

Custom Airomotive, Inc.
FAA REPAIR STATION #DC2R763K
AIRCRAFT ENGINE SERVICE
2702 N. SHERIDAN, BLDG. B
TULSA, OK 74115
(918) 836-6836
FAX (918) 836-9431

TT 6/4 . 4 TSMOH N/A 16 JUN 2017

IO-550-N(7) S/N 686321 WO# 25299

This engine was disassembled only enough to facilitate an inspection and repairs following a prop strike.

Applicable parts were cleaned, inspected and reworked/replaced as necessary to ascertain airworthiness. Magnetos, prop gov. and alternator were overhauled.

A.D. notes:

99-19-01 N/A TO THIS CRANKSHAFT S/N N02EA568.

00-23-21 " " "

04-08-10 N/A; HAS GENUINE CONT. CYLINDERS.

10-11-04 N/A; AFFECTED P/N LIFTERS NOT INSTALLED.

S.B MSB96-10A C/W by ultrasonic inspection.

S.B 05-08B C/W; used new 656818 cam gear.

Engine was reassembled I/A/W CMI overhaul manual #X30568A, test ran on a stand and found ready for return to service. Pertinent details are on file at this station under work order no. 25299; parts replaced are listed on attached work order.

Mark D. Lickteig
Mark D. Lickteig for CRS# DC2R763K

Date

Total Time

Time Since
Last Overhaul**Engine Ser**

Installations Inspect

**Autopilots Central, Inc.**

3112 North 74th East Avenue
 Hangar 23, Tulsa International Airport - Tulsa, OK 74115
 (918)836-6418 - Fax (918)832-0136
 FAA CRS CM2R747K
 Logbook Entry

Sold To: OPM Investments
 2622 East 33rd Place
 Tulsa, OK 74105

Work Order: MA17-05404
 Acct Number: (918)760-6771

Opened: 1/19/2017
 Closed: 8/02/2017

Aircraft Number: N874CD **Type:** CIRRUS SR22 **S/N:** 0285

Total Time: 616.7 Hobbs Time: 616.7 Tach Time: LG Cycles:

Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-550-N(7)	686321	616.7		PHC-H3YF-1RF	FP1609B	2.3

Discrepancy: 1Problem:

Prop Strike. Aircraft is located at KCWC Wichita Falls Texas. Need Quotes on propeller engine teardown and retrieval.

Action Taken:

Picked up aircraft on April 7th. Flew to Wichita Falls Texas, CWC airport, removed damaged propeller, installed overhauled propeller, performed engine run up and flew a/c to KTUL.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
PHC-J3YF-1RF/F7693DF	Propeller		1.00	Each		\$
	S/N: FP1609B					
	Freight		1.00			\$

Discrepancy: 2Problem:

Remove engine for sudden stoppage.

Action Taken:

Remove engine for sudden stoppage. Send engine to Custom Airmotive. Engine IO-550-N s/n: 686321. Received engine from Custom Airmotive their w/o: 25299. Installed engine, Torqued and safetied engine mounts to Cirrus maintenance manual specs. Installed engine control cables and adjusted. Installed all engine electrical wiring and sensors. Installed all fuel lines and oil lines. Installed exhaust system with new exhaust gaskets and torqued to specs. Serviced engine with 8 qts Phillips mineral oil. Ground run engine. Checked from oil leaks. Engine cowled and ready for test flight.

Remove and reinstall labor + parts. If additional parts are required; customer will be notified for additional payment.

Part Number	Description	Credit	Quantity	Units	Unit Price	Extended
14785-001	Heat Shield, Engine Frame		1.00	Each		\$
	Freight		1.00			\$
20W50M	Oil, Type M - Non-Detergent		8.00	Each		\$
852458	Gasket		3.00	Each		\$
652458	Gasket		3.00	Each		\$
A2044	Prop Nut		6.00	Each		
AN315-4R	Nut		4.00	Each		
AVGAS	AvGas		9.60	Gallon		
AVGAS	AvGas		30.50	Gallon		
AVGAS	AvGas		36.00	Gallon		
BA-24	Element		1.00	Each		
MS20500-428	Nut		24.00	Each		
MS21044N8	Nut		6.00	Each		
MS21919WDG5	Clamp		3.00	Each		
MS35769-11	Gasket		1.00	Each		

Discrepancy: 3Problem:

Hangar Rent

Action Taken:

Miscellaneous Completed: 4/07/2017



Autopilots Central, Inc.
 3112 North 74th East Avenue
 Hangar 23, Tulsa International Airport - Tulsa, OK 74115
 (918)836-6418 - Fax (918)832-0136
 FAA CRS CM2R747K
 Invoice

Work Order: MA17-05538 Opened: 6/26/2017
 Acct Number: (918)760-6771 Closed: 8/08/2017

Sold To: OPM Investments
 2622 East 33rd Place
 Tulsa, OK 74105

Aircraft Number: N874CD		Type: CIRRUS SR22		S/N: 0285			
Total Time: 616.7		Hobbs Time: 616.7		Tach Time: LG Cycles:			
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	IO-550-N(7)	688321	616.7		PHC-H3YF-1RF	FP1635B	2.3

Discrepancy: 1

Problem:

Annual inspection is due.

Action Taken:

N874CD, SR22, s/n: 0285 Aircraft time 519.8. Annual inspection. Completed annual inspection using Cirrus annual inspection form. Researched AD notes on airframe, engine, propeller and appliances. Researched mandatory service bulletins. C/W FAR91.207(d) ELT and G switch tests. ELT model ACK E-01 s/n: 042453. Battery due date 06/2023. CAPS rocket motor replacement due 08/2022. CAPS parachute replacement due 08/2022. CAPS Reefing line cutters due replacement 08/04/2023. I certify that this aircraft has been inspected in an annual inspection and has been found to be in airworthy condition as of this date.

8/8/2017

WO: MA17-05538

Signature: *SD KENTISHER*

Autopilots Central Inc.

Tulsa, OK, 74115

CRS CM2R747K

Sublet Service Completed: 7/24/2017

Description: Aircraft Wash

Performed By: Williams Aircraft Detail

Charges This Item:

Flat-Fee Labor:	\$ 2,600.00
Total For This Discrepancy:	\$ 2,600.00

Discrepancy: 2

Problem:

Airframe inspection and special inspections.

Action Taken:

Autopilots Central, Inc.

3112 North 74th East Avenue

Replaced number 2 batteries. Trouble shoot fuel quantiles. Tried to calibrate fuel indicator using calibration tool, could not get the gage to set properly. (Bad gage). Removed gage p/n: 13557-001 s/n: 215(B). Installed new gage p/n: 13557-001 s/n: 2787 mfg date 04/21/2017. De fueled right hand wing tank to check fuel tank sensor, cleaned and checked connections, reinstalled fuel sensor and sealed right hand fuel tank. Set empties, topped off fuel tanks and set full. Operational check OK. Replaced CAPS Reefing lines cutters SB 2X-95-12 p/n: 26707-001 s/n: 11276, 11144. Next replacement 08/2023. Replaced missing well nut under left hand wheel fairing.

Charges This Item:		18.00 Hours @	100.00 \$	1,800.00
Part Number	Description	Credit	Quantity Units	List Price Disc Unit Price Extended
13557-001	Indicator, Dual Fuel Qty		1.00 Each	2,060.080 \$ 2,060.080 \$
	S/N: 2787			
	Freight		1.00	15.000 \$ 15.000 \$
25347-002	Kit, Line Cutter Replacement		1.00 Each	1,198.000 \$ 1,198.000 \$
50803-001	Wellnut, 10-32 (Short) Q-1032		1.00 Each	2.990 \$ 2.990 \$
50979-001	Battery (18615-001)		2.00 Each	54.540 \$ 54.540 \$
AVGAS	AvGas		38.30 Gallon	4.950 \$ 4.950 \$
MS29513-137	O-Ring		1.00 Each	0.790 \$ 0.790 \$
NAS1523-8B	Stat-O-Seal		1.00 Each	4.690 \$ 4.690 \$
			Parts For This Discrepancy:	\$ 3,580.42
			Total For This Discrepancy:	\$ 5,380.42

Discrepancy: 3

Problem:

Engine 100 hour / annual inspection.

Action Taken:

Engine 10-550-N, s/n: 686321. Engine time 2.3. Completed 100 hour / annual inspection of this engine using Cirrus and Continental engine inspection forms. Oil and filter change was done at engine installation. Test flown on W/O: MA17-05404. Upon completion of test flight idle mixture and idle were adjusted, takeoff fuel flow was adjusted up. Oil pressure was turned down 1 1/2 turns. I certify that this engine has been inspected law an annual inspection and has been found to be in airworthy condition as of this date.

08/07/2017

WO: MA17-05538

Signature: *Ken Fisher*

Autopilots Central Inc.

Tulsa, OK, 74115

CRS CM2R747K

Total For This Discrepancy: \$ N/C

Discrepancy: 4

Problem:

Propeller 100 hour / annual inspection.

Action Taken:

Propeller model Hartzell p/n: PHC-J3YF-1RF s/n: FP 1609B. Prop time 2.3. Completed 100 hour / annual inspection. I certify that this propeller has been inspected law an annual inspection and has been found to be in airworthy condition as of this date.

08/07/2017

WO: MA17-05538

Signature: *Ken Fisher*

Autopilots Central Inc.

Tulsa, OK, 74115

CRS CM2R747K

Total For This Discrepancy: \$ N/C

Discrepancy: 5

Problem:

Remove Sandel for bench test. Sandel P/N: SN3308-00-BL S/N: 4141

Autopilots Central, Inc.

3112 North 74th East Avenue

ORIGINAL COMPLAINT: Sandel SN3308 card fluctuates 15 to 20 degrees all the time. Some times it will go up to 90 degrees. Reinstall Sandel after repairs.			
Action Taken: Removed Sandel for bench test. Found: Unit is not programmed for "xyz" input. Description: Bench tested using for heading problem; tested per install manual. Re-programmed for proper hook-up for "xyz" gyro. Unit appears to functional normal on heading. Performed By: Porter-Strait Instrument Co., Inc. PO #: PO17-17968 Reinstalled Sandel.			
Charges This Item:		0.50 Hours @	100.00 \$ 50.00
		2.00 Hours @	115.00 \$ 230.00
		Outside Labor:	\$ 150.00
		Total For This Discrepancy:	\$ 430.00
Discrepancy: 6			
Problem: Sandel benched checked, heading still not working. T/S.			
Action Taken: Inspected connectors found multiple wires are broken off of pins at the P1 connector. Identified all broken wires, extended and repaired. Powered up unit and original problem restored. "Gyro X/YE lost" message is present. Troubleshoot and restored unit by determining proper unit configuration.			
Charges This Item:		12.25 Hours @	115.00 \$ 1,408.75
		Total For This Discrepancy:	\$ 1,408.75
Discrepancy: 7			
Problem: IFR certifications due			
Action Taken: Removed altimeter and encoder for IFR certifications.			
Charges This Item:		0.50 Hours @	115.00 \$ 57.50
		Total For This Discrepancy:	\$ 57.50
Discrepancy: 8			
Problem: 5934D-3 Altimeter S/N. 427425			
Action Taken: WORK PERFORMED: Tested and certified to 20,000 ft., reference FAR43 App E (b).			
Charges This Item:		Outside Labor:	\$ 135.00
		Total For This Discrepancy:	\$ 135.00
Discrepancy: 9			
Problem: A-30 Encoder S/N: 78768			
Action Taken: WORK PERFORMED: Tested and certified to 20,000 ft., reference FAR43 App E (b) - (c).			
Charges This Item:		Outside Labor:	\$ 135.00
		Total For This Discrepancy:	\$ 135.00
Discrepancy: 10			
Problem: Reinstall units after IFR testing.			
Action Taken: Reinstalled altimeter and encoder after IFR testing; verified static system and altitude reporting integrity.			
Charges This Item:		0.75 Hours @	115.00 \$ 86.25
		Total For This Discrepancy:	\$ 86.25
Discrepancy: 11			

Autopilots Central, Inc.

3112 North 74th East Avenue

Problem:

GTX330 Transponder (011-00455-00) S/N: 84124302

Action Taken:

PRELIMINARY INSPECTION: Bench tested unit, unit appeared serviceable.

WORK PERFORMED: Tested and found unit compliant with FAR, Part 43, App F.

Charges This Item:	1.00 Hours @	115.00 \$	115.00
	Total For This Discrepancy:	\$	115.00

Discrepancy: 12

Problem:

Certify static system.

Action Taken:

Tested and certified static system in accordance with FAR 43, Appendix E.

Charges This Item:	1.00 Hours @	115.00 \$	115.00
	Total For This Discrepancy:	\$	115.00

Discrepancy: 13

Problem:

Altitude reporting

Action Taken:

Tested altitude reporting system and found it to be within specifications.

Charges This Item:	1.00 Hours @	115.00 \$	115.00
	Total For This Discrepancy:	\$	115.00

Miscellaneous Charges:

	Misc Supplies:	\$	215.93
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Summary:

Total Parts	\$	3,375.83	Total Fuel:	\$	189.59
Total Freight	\$	15.00	Misc Supplies:	\$	215.93
Total Labor - 37.00 Hours:	\$	3,977.50	Total Flat-Rate Labor:	\$	2,800.00
Total Outside Labor:	\$	420.00			

Totals:

SubTotal:	\$	10,993.85
Total Charges:	\$	10,993.85
Amount Remaining:	\$	10,993.85

Terms: C.O.D.

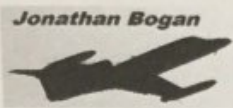
The articles and/or work hereon described is/are certified airworthy (unless otherwise specified).

Autopilots Central, Inc. FAA CRS CM2R747K

Authorized Signature

Parts installed may be FAA/PMA'd or STC's parts and not of "Original Equipment Manufacture" (OEM) and as such are not covered by the OEM's Warranty.

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 →					



321 W. 6th Ave.
Bristow, OK. 74010
(918)760-8050

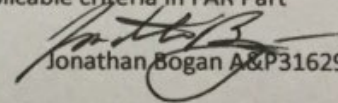
N874CD
12/8/2018

Continental IO-550N7
Hobbs Time:676.8

S/N:686321
Engine TT:676.8

1. Drained engine oil. Serviced with 8QTS Aeroshell 15w-50.
2. Performed compression check:#1. 72/80 #2. 71/80 #3. 74/80 #4. 73/80 #5. 72/80 #6. 74/80
3. Removed, cleaned, inspected, gapped, and reinstalled spark plugs.
4. Checked engine to magneto timing. No defects noted.
5. Performed engine ground run and leak check. No discrepancies noted.

I certify that this engine has been inspected in accordance with the applicable criteria in FAR Part 43 Appendix D and was determined to be in airworthy condition.


Jonathan Bogan A&P3162931 IA



321 W. 6th Ave.
Bristow, OK. 74010
(918)760-8050

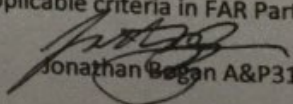
N874CD
12/30/2019

Continental IO-550N7
Hobbs Time:708.3

S/N:686321
Engine TT:708.3

1. Drained engine oil. Serviced with 8QTS Aeroshell 15w-50.
2. Removed and inspected oil filter for metal particles. None found. Installed new oil filter AA48108-2
3. Performed compression check:#1. 70/80 #2. 74/80 #3. 72/80 #4. 73/80 #5. 72/80 #6. 71/80
4. Removed, cleaned, inspected, gapped, and reinstalled spark plugs.
5. Checked engine to magneto timing. No defects noted.
6. Performed engine ground run and leak check. No discrepancies noted.

I certify that this engine has been inspected in accordance with the applicable criteria in FAR Part 43 Appendix D and was determined to be in airworthy condition.


Jonathan Bogan A&P3162931 IA