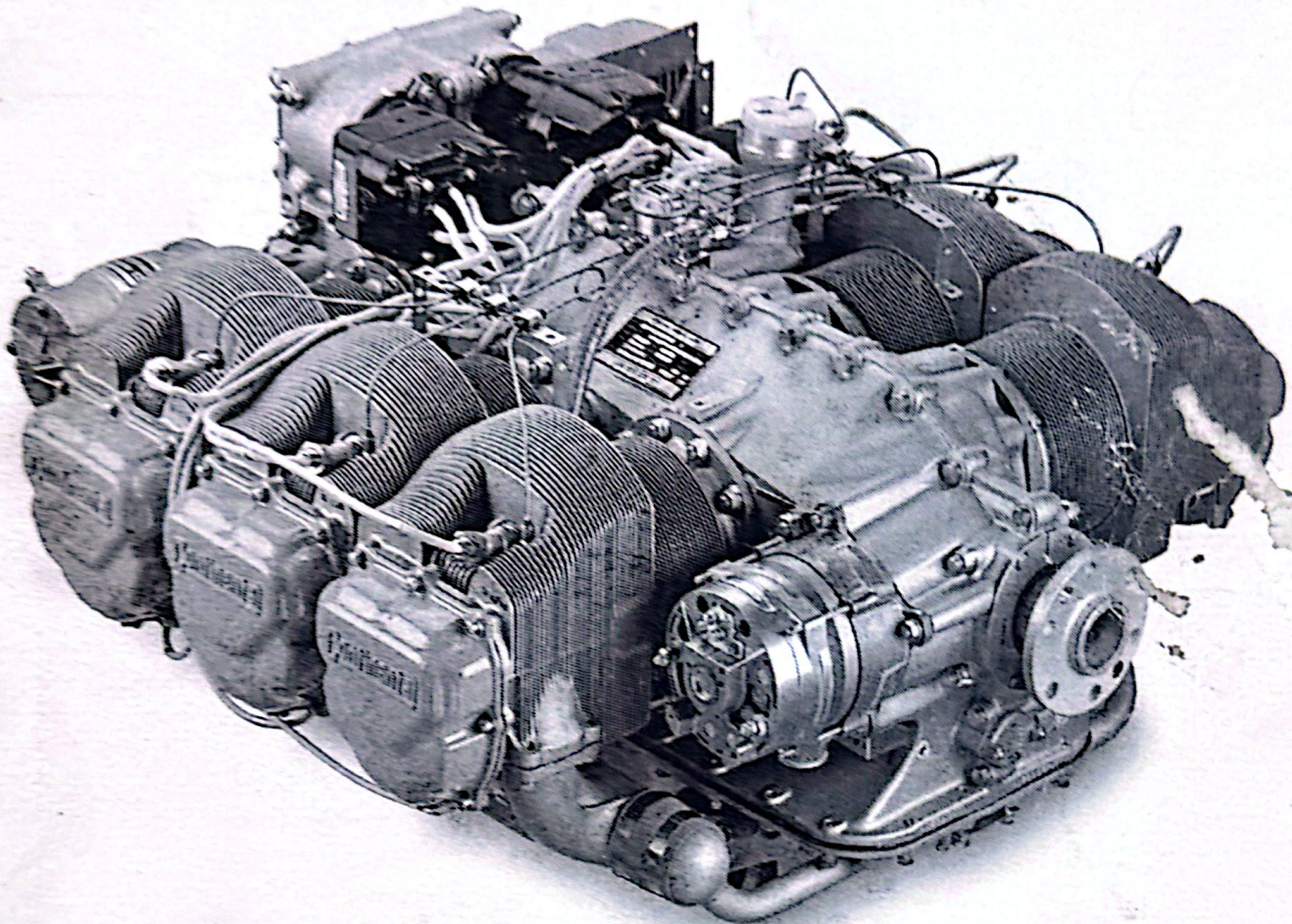


N956C

ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Form No. ELB-01

Service Information

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

Engine Returns

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

**Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310**

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

This engine model _____
was manufactured by **Teledyne Continental Motors, Inc.**
A Teledyne Technologies Company
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
Printed: 09/20/2002

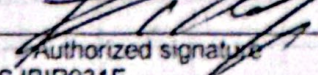
This engine model **10550N7**, Serial No. **686694** was manufactured on **09/18/2002**
by Teledyne Continental Motors in accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all
changes 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.	
10-17-02	0	0			Served Engine with 8 Qts of Phillips 20W50 Straight Mineral Oil on 10/17/02 by  LEAD 2

Date: 12/20/2002, Aircraft: N956C, Type: SR22, S/N: 0387, Hobbs: 36.6, Total Time: 36.6
 Replaced RT door seal. Tightened jam nut on lock Assy. for baggage door.

Repaired/Inspected and approved for return to service w.o. 02-0662

Date 12-20-02 
 Authorized signature

Dulles Aviation Inc. CRS IBIR931E
 Manassas, Va. 20110

Date: 2/3/2003, Aircraft: N956C, Type: SR22, S/N: 0387, Hobbs: ~~63.3~~ 48.8, Total Time: ~~63.3~~ 48.8, Engine - Type: , S/N: , Time: 63.3, Prop Type: , S/N: , Time: 63.3
 Drained, serviced engine with 8qts Phillips X/C 20W50. Removed, inspected, installed oil filter PN:CH48108. Leak check ok.

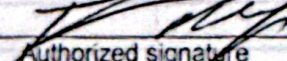
Repaired/Inspected and approved for return to service w.o. 02-0690

Date 2-3-03 
 Authorized signature

Dulles Aviation Inc. CRS IBIR931E
 Manassas, Va. 20110

Date: 3/27/2003, Aircraft: N956C, Type: SR22, S/N: 0387, Hobbs: 90.4, Total Time: 90.4, Engine - Type: , S/N: , Time: 90.4, Prop Type: , S/N: , Time: 90.4
 Drained engine oil, removed oil filter, cut and inspected oil filter, installed new oil filter, PN: CH48108 and serviced engine with 8qts of Phillips X/C 20W50 oil. Leak check ok. Performed compression test. #1- 72/80, #2- 72/80, #3- 72/80, #4- 71/80, #5- 72/80, #6- 72/80. Removed, cleaned, gapped, tested, rotated, and reinstalled sparkplugs. Checked mag timing, established base for oil analysis, checked baffling for proper seal/cooling, induction system, top and bottom cowling, fuel system, and function check of engine gages as per SID 97-2A. Carb heat scat hose bracket broken, repaired bracket.

Repaired/Inspected and approved for return to service w.o. 03-0898

Date 3-27-03 
 Authorized signature

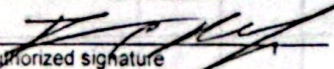
Dulles Aviation Inc. CRS IBIR931E
 Manassas, Va. 20110

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 →					

Date: 11/25/2003, Aircraft: N956C, Type: SR22, S/N: 0387, Hobbs: 199.1, Total Time: 199.1, Engine - Type: IO-550-N-7, S/N: 686694, Time: 199.1, Prop Type: PHC-J3YF-1RF/F7694, S/N: FP1970B, Time: 199.1

Drained engine oil, removed oil filter, cut and inspected oil filter, removed suction screen and inspected, reinstalled suction screen, installed new oil filter PN. CH48108, and serviced engine with 8qts of Phillips 20W/50 oil. Leak check ok. Performed compression test #1- 76/80, #2- 73/80, #3- 77/80, #4- 76/80, #5- 73/80, #6- 76/80. Removed, cleaned, gapped, tested, rotated, and reinstalled sparkplugs. Mag timing checked, ok. C/w'd SB 01-3A gear driven alternator PN: 649304A1 and 649305A1 by visual inspection part number of alternator installed, 646843. No future action required. C/w'd SB 2X-71-05 induction duct assembly support bracket by removing induction assy, bracket and installed adel clamp. Reinstalled induction assy. No further action required. Removed and cleaned fuel injectors. Applicable A D 's checked and c/w'd thru 2003-23. Ground run and leak check ok.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition. Date 11/25/03 w o # 03-1356
Recorded time 199.1 Total Time 199.1


Authorized signature
Dulles Aviation Inc. CRS IBIR931E
Manassas, Va. 20110

Airways, Inc. 520 Airport Rd Lititz, Pennsylvania 17543
LOG ID# 945 10-June-2004 WO# 4222 REF# 4222 HOBBS 260.9
N956C S/N 0387 CIRRUS SR22

Pg 1 / 1

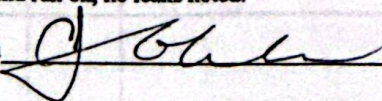
-ENGINE LOG-
C/W SB 2X-80-01 STARTER REPLACEMENT. CHANGED THE ENGINE OIL AND REPLACED FILTER, SERVICED WITH 8 QTS OF PHILLIPS 20W50XC. CUT, OPEN FILTER AND INSPECTED, CHECKED OK. PERFORMED OIL ANALYSIS. GROUND RUN AND LEAK CHECKED GOOD. -END-

Signed A&P 269947  James J. Mazzante



FAA CRS LC1R291K
Work Order: 1004325
N956C Date: 12 Nov 04
Time: 308.5

Oil and filter changed, serviced with 8 qts Aeroshell 80W. Took sample number 7600 for analysis. Compression checked as follows: 1-72/80 2-64/80 3-68/80 4-70/80 5-72/80 6-67/80 (master orifice reads 44/80). CW instruction for continued airworthiness for TCM cylinders per SB96-12, no defects noted. Replaced number 2 exhaust, number 4 exhaust and number 6 intake lifters. Replaced missing screw at cylinder number 3 baffle. Secured ignition leads to prevent chafing. Removed oil cooler p/n 654585, s/n H02-200-643 and installed same p/n, s/n H04-2147-1272. Engine ground run ok, no leaks noted.

CJ Colaluca 

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-N-7
ENGINE S/N 686694
REG NO N956C
WORK ORDER 415



Dulles Aviation, Inc.

Repair Station No. IBIR931E
10501 Observation Road
Manassas, Virginia 20110
Phone: 703-361-2171

DATE 6/27/2005
A/C TSN 360
ENG TT 360
HOBBS 360

Engine Entries

(1) Removed aircraft cover, run up engine, remove top and bottom cowlings, drain oil, take oil sample, remove old oil filter, opened to check for contamination, some noted, will monitor, installed new oil filter, torqued and safetied, added 8 qts. of Phillips X/C 20W50 oil. Washed engine, run up and leak check, no leaks noted at this time. Reinstalled cowlings

Maintenance Release

The aircraft and/or component(s) on N956C was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 415

DATE 6/27/2005

SIGNED:

[Signature]
Richard Clinton Pittman
Certified Repair Station No. IBIR931E

Work Order 415

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL
IO-550-N-7
ENGINE S/N 686694
REG NO N956C
WORK ORDER 674



Dulles Aviation, Inc.

Repair Station No. IBIR931E
10501 Observation Road
Manassas, Virginia 20110
Phone: 703-361-2171

DATE 11/21/2005
A/C TSN 401 5
ENG TT 401 5
HOBBS 401 5

Engine Entries

(2) Performed 100 hr Engine Inspection per Cirrus SR22 Inspection Guide. Compression reads: A1-71 A2-70 A3-74 A4-74 A5-75 A6-72. Changed oil & filter, inspected old filter-no metal. Serviced with 8qts Phillips 20W50. Cleaned gapped and rotated spark plugs. Applicable AD's have been checked and complied with thru 2005-23.

Maintenance Release

The aircraft and/or component(s) on N956C was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 674

DATE: 11/21/2005

SIGNED:

[Signature]
Richard Clinton Pittman
Certified Repair Station No. IBIR931E

Work Order: 674

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL
IO-550-N-7
ENGINE S/N 686694
REG NO N956C
WORK ORDER 1099



Dulles Aviation, Inc.

Repair Station No. IBIR931E
10501 Observation Road
Manassas, Virginia 20110
Phone: 703-361-2171

DATE 7/18/2006
A/C TSN 454 4
ENG TT 454 4
HOBBS 454 4

Engine Entries

(7) Changed oil and filter, inspected filter. Serviced with 8 qts 20W50. Engine run and leak check ok.

Maintenance Release

The aircraft and/or component(s) on N956C was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 1099

DATE 7/18/2006

SIGNED:

[Signature]
Charles Edward Schoenduby
Certified Repair Station No. IBIR931E

Work Order: 1099

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.	



FAA CRS LC1R291K
Work Order: 1007055
N956C Date: 12/12/2006
Time: 475.9

ENGINE

Compression: #1 72/80, #2 67/80, #3 72/80, #4 72/80, #5 70/80, #6 70/80. Changed oil and filter, serviced with 8 quarts Phillips 20W50XC, installed new CH48108-1 filter and took sample # 8398. Replaced one RHB-32E spark plug. Complied with ICAW on TCM cylinders per SB 96-12. Complied with ICAW on injectors per SID 05-7. Complied with ICAW on mags per SB 643B by replacing both mags with overhauled units from Quality Aircraft Accessories, left is serial D02GA178R, right is I220603DR. on invoice number 48753. Set up fuel system per SID 97-3C. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

[Signature]
 David Schober for Frederick Aviation

ENGINE MODEL
IO-550-N-7
ENGINE S/N 689694
REG NO N956C
WORK ORDER 1509

Dulles Aviation, Inc.
 Repair Station No. IBIR931E
 10501 Observation Road
 Manassas, Virginia 20110
 Phone 703-361-2171

DATE 2/7/2007
 A/C TSN 466 6
 ENG TT 466 6
 HOBBS 466 6

Engine Entries

(1) Changed oil and filter. Serviced engine with Phillips 20w-50. Performed engine runs to trouble shoot starter problem. found starter adaptor clutch to be slipping. Removed starter adapter pn. 642083A12, sn. unknown. Installed rebuilt starter adaptor pn. 642083A12, sn. N/A, with new gasket. See 8130-3. Performed ops check, ops check good. ref. TCM overhaul manual. (B) Performed TCM SID 97-3C fuel flow test and adjustment. Made slight adjustment to idle low pressure relief. Made slight adjustment to idle mixture (leaned) to within limits.

Maintenance Release

The aircraft and/or component(s) on N956C was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 1509.

DATE 2/7/2007

SIGNED

[Signature]
 Richard Clinton Pittman
 Certified Repair Station No. IBIR931E

Work Order: 1509

Printed by EBis 3 (datcomedia.com)

Dulles Aviation, Inc.
 Repair Station No. IBIR931E
 10501 Observation Road
 Manassas, Virginia 20110
 Phone 703-361-2171

Engine Entries

Compression 100 hr engine inspection per FAR 39.21 inspection. Compression: #1 72/80, #2 67/80, #3 72/80, #4 72/80, #5 70/80, #6 70/80. Changed oil and filter, serviced with 8 quarts Phillips 20W50XC, installed new CH48108-1 filter and took sample # 8398. Replaced one RHB-32E spark plug. Complied with ICAW on TCM cylinders per SB 96-12. Complied with ICAW on injectors per SID 05-7. Complied with ICAW on mags per SB 643B by replacing both mags with overhauled units from Quality Aircraft Accessories, left is serial D02GA178R, right is I220603DR. on invoice number 48753. Set up fuel system per SID 97-3C. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

[Signature]
 PHILLIPS 20W50

DATE 12/12/2007

SIGNED

[Signature]

Work Order: 2079

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.	

LEADING EDGE

AVIATION SERVICES, INC.

Date: 3/13/2012; Aircraft: N956C; Type: Cirrus; S/N: 387; Hobbs: 738.9; Total Time: 738.9; Engine - Type: IO-550-N, S/N: 686694, Time: 738.9
 -Complied with Cirrus 100 hour inspection checklist.

Compressions cyl #1 72/80 #2 70/80 #3 72/80 #4 70/80 #5 74/80 #6 66/80 MO 40/80

-Verified AD compliance through bi-weekly issue 2012-04.

-Complied with TCM SID 97-3E.

-Drained oil and serviced with 7 quarts of Phillips X/C 20W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowling and performed run up.

-Removed & replaced all rocker cover gaskets with new.

-Removed & replaced crankshaft front seal with new. PN 641250

-Replaced 7 spark plugs with new. PN RHB32E

-Cleaned, inspected & regapped spark plugs.

-Adjusted magneto timing L & R.

I certify this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM Section 5-20 and is found to be airworthy at this time.

Steve Miller A&P 2700197IA
 Leading Edge Aviation Manassas LLC
 9990 Wakeman Dr. Manassas VA 20110
 KHEF Manassas Regional Airport.

Date: 4/15/2013; Aircraft: N956C; Type: Cirrus; S/N: 387; Hobbs: 819.2; Total Time: 819.2; Engine - Type: IO-550-N, S/N: 686694, Time: 819.2

-Complied with Cirrus 100hr inspection checklist.

-Cleaned engine and performed run up. Inspected for leaks and general overall condition.

-Complied with fuel set-up (TCM SID 97-3E).

-Removed cleaned gapped spark plugs verified correct mag timing L&R.

-Inspected Fuel nozzles for leaks.

-Inspected electrical wiring for chafing and security.

-Inspected Fluid carrying hoses.

-Removed gascolator cleaned, inspected and reinstalled.

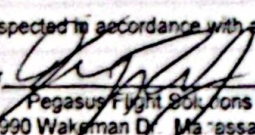
-Replaced air filter P/N BA-24.

-Drained oil and serviced with 8 quarts of Phillips X/C 20W-50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowling and performed run up.

-Compression Check #1 64/80 #3 68/80 #5 68/80 #2 66/80 #4 66/80 #6 68/80 Master Orifice 36/80.

-Verified AD compliance through bi-weekly issue 2013 06.

-Research All Cirrus Service Bulletins for this S/N aircraft and e-mail a list of all applicable SBs to the customer for approval.

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.	
					Complied with TCM SID 97-3E as required per Cirrus AMM 5-20 (annual checklist).
					Installed six (6) new cylinder drain seals P/N 633958-2.
					Removed, cleaned, reinstalled and retorqued fuel injector nozzles. Installed six (6) new fuel injector o-rings P/N 630679-9, (6) copper washers P/N X1473 and (6) rubber washers P/N 640612.
					Performed post inspection operational check of aircraft systems - all working normal at this time.
					I certify this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.
					Kenny Fletcher  A&P 3109045 IA Pegasus Flight Solutions LLC 9990 Wakeman Dr. Manassas VA 20110 KHEF Manassas Regional Airport.

8-22-13 ACFT: N956C TYPE:SR22 S/N: 387 S/N686694
Hobbs: 866.4

Complied with 50 hour inspection checklist. Drained oil and serviced with 8 qts Phillips XC20W50. Removed and Replaced oil filter and cut open for inspection.

I certify that this engine has been inspected in accordance with a 50 hour inspection with reference to Cirrus AMM section 05-20 and is found to be airworthy at this time.

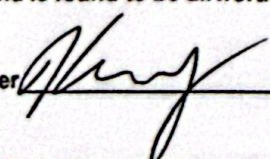
Kenneth Fletcher  A&P/IA 3109045

4-14-14 ACFT: N956C TYPE:SR22 S/N: 387 S/N686694
Hobbs: 914.8

Complied with 100 hour inspection checklist. Checked Magneto timing, inspected electrical wiring, inspected fluid carrying lines and replaced gascolator. Drained oil and serviced with 8 qts Phillips XC20W50. Removed and Replaced oil filter and cut open for inspection. Cleaned Spark plugs. Verified AD compliance through Bi-weekly 2013-06.

Compression Check: #1 64/80 #2 66/80 #3 68/80 #4 66/80 #5 68/80 #6 68/80 M/O 33/80.

I certify that this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM section 05-20 and is found to be airworthy at this time.

Kenneth Fletcher  A&P/IA 3109045

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.	

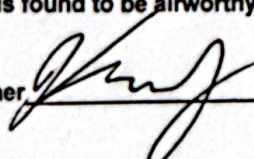
Run/In/Out Forward

4-31-15 ACFT: N956C TYPE:SR22 S/N: 387 S/N686694
Hobbs: 957.4

Complied with 100 hour inspection checklist. Checked Magneto timing, inspected electrical wiring, inspected fluid carrying lines and replaced gascolator. Drained oil and serviced with 8 qts Phillips XC20W50. Removed and Replaced oil filter and cut open for inspection. Cleaned Spark plugs. Verified AD compliance through Bi-weekly 2015-09.

Compression Check: #1 63/80 #2 62/80 #3 64/80 #4 60/80 #5 65/80 #6 63/80 M/O 33/80.

I certify that this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM section 05-20 and is found to be airworthy at this time.

Kenneth Fletcher  A&P/IA
3109045

Date: 10-17-15 Act: N956C; Type:SR22 S/N:387 Hobbs :980.4

Complied with 50 hour inspection checklist. Drained oil and serviced with 8 quarts Phillips XC20W5. Removed and Replaced oil filter and cut open for inspection. Cleaned spark plugs.

I certify that this propeller has been inspected in accordance with a 50 hour inspection with reference to Cirrus AMM section 05-20 and is found to be airworthy at this time.

Kenneth Fletcher  A&P/IA 3109045

4-20-16 ACFT: N956C TYPE:SR22 S/N: 387 S/N686694
Hobbs: 1011.1

Complied with 100 hour inspection checklist. Checked Magneto timing, inspected electrical wiring, inspected fluid carrying lines and replaced gascolator. Drained oil and serviced with 8 qts Phillips XC20W50. Removed and Replaced oil filter and cut open for inspection. Cleaned Spark plugs. Verified AD compliance through Bi-weekly 2016-08.

Compression Check: #1 63/80 #2 62/80 #3 66/80 #4 63/80 #5 65/80 #6 60/80 M/O 33/80.

I certify that this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM section 05-20 and is found to be airworthy at this time.

Kenneth Fletcher  A&P/IA 3109045

ENGINE MODEL:
IO-550-N (7)
ENGINE S/N: 686694
REG. NO: N956C
WORK ORDER:
2922-11-2019



DeltaFox Aviation
Repair Station No. 897R016D
10771 James Payne Court
Manassas, VA 20110
Phone: 703.438.8450

DATE: 11/25/2019
A/C TSN: 1215.9
ENG TT: 1215.9
TSMOH:
HOBBS: 1215.9

Engine Entries

Removed leaking fuel pump and replaced it with an overhauled fuel pump IAW Continental IO-550 M-16 Section 10-2. P/Ns on and off: 655921-1A5, S/N off: B021A036, S/N on: B02DA356. Overhaul of the installed pump was performed by AMETEK B&S Aircraft Parts & Accessories under W/O# BFU101788. Ops and leak checks good.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 11/25/2019

SIGNED:

Gudmundur J. Thordarsson
Certified Repair Station No. 897R016D

Work Order: 2922-11-2019

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
IO-550-N (7)
ENGINE S/N: 686694
REG. NO: N956C
WORK ORDER:
3289-05-2020



DeltaFox Aviation
Repair Station No. 897R016D
10771 James Payne Court
Manassas, VA 20110
Phone: 703.438.8450

DATE: 5/21/2020
A/C TSN: 1227.1
ENG TT: 1227.1
TSMOH:
HOBBS: 1227.1

Engine Entries

Performed 100 hr / Annual Engine Inspection IAW Cirrus SR22 AMM Inspection Guide 5-20.
Removed cowlings. Cleaned engine and performed run up. Inspected for leaks and general condition. Performed Compression check: #1 68/80, #2 60/80, #3 50/80, #4 58/80, #5 61/80, #6 62/80 M.O.44. Checked magneto timing. Inspected electrical wiring for chafing and security.
Drained oil and serviced with 7 quarts of Phillips X/C 20W-50 and 11.2 oz of Camguard.
Removed and replaced oil filter P/N CH48109-1, cut open and inspected, no metal in filter.
Re-installed cowlings and performed post operational run, no leaks noted at this time.
Verified AD compliance through bi-weekly issue 2020-10.

Removed Fuel Injectors inspected and cleaned IAW TCM M-0, M-18. Reinstalled and torqued to 60 in. lbs. Ops check and leak checks good.

Performed Fuel injection system check. Unmetered pump pressure limits @ 600 RPM: 8-10 PSI, Tested out of limits 12 psi. Adjusted to 9 psi. Metered pump pressure limits @ 2700 RPM: 19-21.3 psi., Tested out of limits 17 psi. Adjusted to 21 psi. IAW TCM M-0, M-18. Ops check and leak checks good.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 5/21/2020

SIGNED:

Gudmundur J. Thordarsson
Certified Repair Station No. 897R016D

Work Order: 3289-05-2020

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.	



10601 Observation Road
Manassas, VA 20110
(703) 368-8100

Engine
N956C
CIRRLUS DESIGN CORP SR22 SN0387 TTAF: 1249.80

CONT MOTOR IO-550-N
Hobbs: 1249.80 ENG SN: 686694

Sep 14, 2020

Due to intermittent power loss issues experienced with the SureFly® SIM6C in flight, a 28VDC → 13.8VDC converter was supplied by SureFly® for installation. The DC converter (PN: LS03-05001-A / SN: 005-004998), supplied by SureFly® technical support, was installed on the MCU face panel in the engine bay. Installation performed IAW diagrams and documentation provided with the DC Converter as well as FAR 43.13. Confirmed converter operates as advertised and performed a successful operational test of the SIM6C. As per owner's request, the SureFly® SIM6C was removed from aircraft, set to fixed timing mode, internally re-timed, and re-installed on engine. Verified DIP switches are set to proper configuration (1: ON, 2: ON, 3: OFF, 4: ON) for the engine type/model/series. Confirmed the LED flashes the proper code (long, long, short, long). Due to the SIM operating in fixed timing mode, the manifold pressure reference is no longer required. MAP reference line was removed, discarded, and the port in the manifold was plugged using the original factory plug. Performed successful operational test of SureFly® SIM6C in fixed timing mode. #4 & #6 induction intake stacks were removed to gain easy access to the SureFly® SIM. After the SIM modification was completed, the intake stacks were re-installed with new gaskets (PN: SA630B24). Leak check satisfactory at this time.

Darrin Rimbey A&P 3846788 JA 



10601 Observation Road
Manassas, VA 20110
(703) 368-8100

ENGINE
N956C
CONT MOTOR

HOBBS: 1250.40
EngTSN: IO-550-N
TSMOH: SN:686694

Sep/21/2020

Due to constant voltage draw on battery with original installation configuration of SureFly® DC→DC Converter, SureFly® technical support was contacted and offered an alternate installation configuration. The original installation of the DC Converter was altered IAW new instructions provided by SureFly®. In this configuration the DC converter, which sends constant power to the SIM6C, is now controlled by the Battery 1 master switch in the cockpit, and receives power from the switched side of the battery solenoid. The SIM6C no longer receives permanent hot battery bus power. Owner was notified of new configuration. Performed successful operation tests and noted good mag drop on both magnetos. All work done IAW installation instructions provided by SureFly® technical support and 14CFR 43.13. Installation instructions provided by SureFly® were retained and attached to STC paperwork for future reference.

Darrin Rimbey A&P 3846788 JA 

ENGINE MODEL:
IO-550-N (7)
ENGINE S/N: 686694
REG. NO: N956C
WORK ORDER:
3642-10-2020



DeltaFox Aviation
Repair Station No. 897R016D
10771 James Payne Court
Manassas, VA 20110
Phone: 703.438.8450

DATE: 11/10/2020
A/C TSN: 1252.7
ENG TT: 1252.7
TSMOH:
HOBBS: 1252.7

Engine Entries

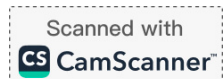
Performed Category 1 Overspeed Inspection per Continental IO-550 Series Engine Maintenance and Overhaul Manual section 6-4.3.1. No defects noted. Drained oil and serviced with 7 quarts of Phillips X/C 20W50. Removed and replaced oil filter P/N CH48108-1, cut open and inspected, no metal in filter. Note next oil change due in 5 hours at 1257.7 TT

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 11/10/2020

SIGNED: 
Gudmundur J. Thorolfsson
Certified Repair Station No. 897R016D

Work Order: 3642-10-2020
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 Forward	→				

ENGINE MODEL:
IO-550-N (7)
ENGINE S/N: 686694
REG. NO: N956C
WORK ORDER:
3877-01-2021



DeltaFox Aviation
Repair Station No. 897R016D
10771 James Payne Court
Manassas, VA 20110
Phone: 703 438 8450

DATE: 1/25/2021
A/C TSN: 1265 4
ENG TT: 1265 4
TSMOH:
HOBBS: 1265 4

Engine Entries

Found the oil quick drain to be leaking. Installed a new Oil Drain Valve P/N: SFA-AIR S6250. Leak checked installation IAW S6250 Oil Drain Valve Procedures. No leaks Detected at this time.

Removed engine cowlings. Drained and serviced engine with 7 quarts of Phillips X/C 20/50 Oil and added 11 oz of Camguard. Removed and inspected oil filter, no contaminants noted. Installed new oil filter P/N: CH48109-1 IAW Cirrus SR22 AMM 12-10, ran engine, leak checked good. Reinstalled engine cowlings.

I certify that the above stated maintenance was performed in accordance with the current regulations of the FAA and the aircraft / engine / component identified above is presently airworthy and approved for return to service.

DATE: 1/25/2021

SIGNED:
Gudmundur J. Thorgeirsson
Certified Repair Station No. 897R016D

Work Order: 3877-01-2021

Printed by EBis 3 (datamedia.com)

wo: WO_58		Engine: page 1 of 1	
 flywyld flywyld Aviation, LLC 10535 Wakeman Dr Manassas, Virginia 20110 703 651 2640			
N956C Hobbs: 1277.9	Continental, IO-550-N(7), S/N: 686694		May 28, 2021
Propeller PN: PHC-J3YF-1RF, SN: FP1970B,			
<p>Inspected this engine as part of an Annual Inspection with reference to Cirrus SR-22 Maintenance Manual Inspection Check-List, Continental Service Manual, and the scope and detail of 14 CFR 43; Appendix D. Compression test results are as follows: 1. 64/80 2. 63/80 3. 60/80 4. 66/80 5. 65/80 6. 68/80. Fully drained engine oil with engine at operating temperature. Removed engine oil filter, inspected contents of filter (no contamination noted), installed new Tempest oil filter (PN: AA48109), torqued to 18 ft/lbs, and safety wired in place. Serviced engine with 7 quarts of Phillips 66 X/C 20W-50 engine oil. Removed all spark plugs from engine. Cleaned, gapped, tested, re-installed with new copper gaskets (PN: M764), and torqued to 30 ft/lbs. Verified RH magneto timing at 22 degrees BTDC (SureFly SIM installed in LH position). Pressure tested exhaust system and visually inspected engine mounts. Visually inspected and performed full wash of engine and associated components with Naphtha. Performed post inspection/repair engine ground runs with favorable results.</p>			
Researched Engine AD's through 26 May 2021. - There are no engine AD's due at this time...			
I certify this Engine has been inspected as part of an Annual Inspection and was determined to be in airworthy condition at the time of inspection. Details of work performed are on file with flywyld Aviation, LLC under work order: WO_58.			
Harry Santossoto Airframe and Powerplant (Inspection Authorization) 3605196			

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 Logbook w/o: MX-2273 February 18, 2022
 N956C - Cirrus SR22, s/n SR22-387
 Teledyne Continental - IO550-N 686A1
 Hourmeter: 1311.3 hours

Complied with the following items:

- 1.1 Removed upper and lower cowlings. Drained engine oil. Removed and replaced the main engine oil filter (CH48109-1). Torqued and safetied main oil filter. Serviced engine with 8 quarts of Phillips X/C 20W-50 engine oil. Added CamGuard Aviation Advanced Oil Supplement. Ground run and leak checks good. Reinstalled lower and upper engine cowlings.

All work performed in accordance with the manufacturer's recommended procedures.

Signed: William A. Bennett
 For Chantilly Air, Inc., CRS ZHR864J Manassas, Virginia 20110, 703-361-2014

AvDyne AeroServices, LLC

MAKE: Cirrus DATE: 05/02/2022
 MODEL: SR22 WORKORDER: 22-04-008
 SERIAL NO.: 0387 A/C TOTAL TIME: 1315.6
 REGISTRATION NO.: N956C TACH TIME: 1315.6

TCM IO-550N7B S/N: 686694

1. Annual Inspection in accordance with Cirrus Maintenance Manual and FAR 43 Appendix D.
2. AD research complied with using Zook's AD Tool Box dated 04/12/2022.
3. Compression check C/W: #1-70/80, #2-64/80, #3-60/80, #4-68/80, #5-68/80, #6-68/80. Master Orifice reading: 44.
4. Drained oil, oil sample taken.
5. Oil filter removed, cut opened, and inspected - no metal found.
6. Installed new oil filter P/N: AA48108-2, torqued and safetied.
7. Serviced engine with 8 qts of Phillips 20W50 oil.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 22-04-008, Date: 05/02/2022.

Signed: Cynthia Hancock Dejean
 AvDyne Aeroservices LLC, CRS Y7NR985Y Page 1 of 2

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

Brought Forward →

AvDyne AeroServices, LLC

MAKE: Cirrus
 MODEL: SR22
 SERIAL NO.: 0387
 REGISTRATION NO.: N956C

DATE: 05/02/2022
 WORKORDER: 22-04-008
 A/C TOTAL TIME: 1315.6
 TACH TIME: 1315.6

8. Spark plugs removed, inspected, and tested. Reinstalled spark plugs with new gaskets P/N: M674.
9. Replaced air filter with new filter. P/N BA 24.
10. Replaced all 6 fuel injectors with new injectors. P/N 657068.
11. Replaced # 5 EGT sensors with new sensors. P/N 14554-001.
12. Replaced #1 CHT sensor with new sensor. P/N 14880-001.
13. Engine washed.
14. Installed fuel pressure test rig and performed engine ground run. Fuel pressures and operating parameters normal. No leaks noted. Engine operation normal.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 22-04-008, Date: 05/02/2022.

Signed: *Cynthia Monahan Dwyer*
 AvDyne Aeroservices LLC, CRS Y7NR985Y Page 2 of 2



Aircraft Logbook
 N956C - Cirrus SR-22, S/N 387
 Airframe Times: 1,318.5
 Airframe Cycles: 0

WO: MX-2336

05/31/2022

Complied with the Following Items:

1. 1.1 Pilot reports #1 EGT intermittent during run up. Went full scale then dropped to zero then back to normal. No other abnormal indications. Trouble shot system. Gained access to #1 EGT Sensor. Found sensor bent at spring support for wires. Tested sensor and found intermittent / inop utilizing multimeter. Removed old sensor, P/N AF1103620, per Cirrus MM ch 77-20. Installed new sensor, same PN as out. Engine runup and ops check of EGT system performed with no issues found at this time.

All work performed in accordance with the manufacturer's recommended procedures and is approved for return to service

Signed: *[Signature]*
 For Chantilly Air, CRS ZH9R864J, Manassas, Virginia 20110, 800-720-5387

AvDyne AeroServices, LLC

MAKE: Cirrus
MODEL: SR22
SERIAL NO.: 0387
REGISTRATION NO.: N956C

DATE: 11/17/2023
WORKORDER: 23-05-005
A/C TOTAL TIME: 1378.9

TCM IO-550-N S/N 686694

1. Completed annual inspection on engine in accordance with Cirrus maintenance manual check sheet and FAR 43 Appendix D.
2. AD research complied with using AD Tool Box in logbooks Dated 10/16/2023
3. Differential Compression check #1-70/80, #2-50/80, #3-40/80, #4-50/80, #5-58/80, #6-60/80. Master Orifice= 42.
4. Drained engine oil. Captured oil sample.
5. Removed oil filter and cut opened. No debris noted.
6. Installed new oil filter P/N: AA48108-, torqued and safetied.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 23-05-005, Date: 10/16/2023.

Signed: _____

For AvDyne AeroServices LLC CRS #Y7NR985Y Page of

AvDyne AeroServices, LLC

MAKE: Cirrus
MODEL: SR22
SERIAL NO.: 0387
REGISTRATION NO.: N956C

DATE: 11/17/2023
WORKORDER: 23-05-005
A/C TOTAL TIME: 1378.9

7. Removed Ignition Harness on the Left Hand Magneto and installed new Ignition Harness P/N CT16 Surefly STC SE04349CH I.A.W. Maggie Ignition System Installation Manual.
8. Removed #3 Cylinder and sent out for repair. Received Cylinders with FAA Form 8130. Installed Piston and Pin with new Ring set P/N 654716P005. Installed Cylinder with new O-Ring. Installed Push Rod and Rocker Arm with new Seal Set P/N SA646985 and Lock Washer Tabs P/N 501868 I.A.W. Continental Overhaul M.M. section 13. Performed OPS check found to be ok. Differential Compression check 78/80
9. Removed #5 Cylinder and sent out for repair. Received Cylinders with FAA Form 8130. Installed Piston and Pin with new Ring set P/N 654716P005. Installed Cylinder with new O-Ring. Installed Push Rod and Rocker Arm with new Seal Set P/N SA646985 and Lock Washer

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 23-05-005, Date: 10/16/2023.

Signed: _____

For AvDyne AeroServices LLC CRS #Y7NR985Y Page of

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

Engine Service and Maintenance
 Installations, Inspections, Airworthiness Directives, Sp
 Modifications and Service Bulletins

AvDyne AeroServices, LLC

MAKE: Cirrus
 MODEL: SR22
 SERIAL NO.: 0387
 REGISTRATION NO.: N956C

DATE: 11/17/2023
 WORKORDER: 23-05-005
 A/C TOTAL TIME: 1378.9

Tab# P/N 501868 I.A.W. Continental Overhaul M.M. section 13. Performed Ops check found to be ok. Differential Compression check 77/80
 10. Removed #2 Cylinder and sent out for repair. Received Cylinders with FAA Form 8130. Installed Piston and Pin with new Ring set P/N 654716P005. Installed Cylinder with new O-Ring. Installed Push Rod and Rocker Arm with new Seal Set P/N SA646985 and Lock Washer
 Tab# P/N 501868 I.A.W. Continental Overhaul M.M. section 13. Performed Ops check found to be ok. Differential Compression check 78/80
 11. Replenished engine with 8 qts. Aeroshell Mineral oil W100.
 12. Serviced Spark Plugs. Cleaned, inspected, gapped, and tested. Installed with new gaskets P/N M674 I.A.W. Continental Standard Practice M.M.

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 23-05-005, Date: 10/16/2023.

Signed: [Signature]
 For AvDyne AeroServices LLC CRS #Y7NR985Y Page of

AvDyne AeroServices, LLC

MAKE: Cirrus
 MODEL: SR22
 SERIAL NO.: 0387
 REGISTRATION NO.: N956C


DATE: 11/17/2023
 WORKORDER: 23-05-005
 A/C TOTAL TIME: 1378.9

13. Troubleshoot Left Hand Magneto, found Magneto defective. Removed Left Magneto P/N SIM6C Rev. A S/N 6C-2120014. Installed new Surefly Magneto on Left Side P/N SIM6C S/N 6C-1723012 I.A.W. Surefly installation instructions Doc. #SF1003 Rev. D and Cirrus M.M. performed run up and ops check. Mag drop 40 RPM.
 14. Engine ground run accomplished. Engine in parameters of the Cirrus M.M. 5-30 and Continental Standard Practice M.M.

//////////////////////////////////////END//////////////////////////////////////

This aircraft and or component identified above was repaired and inspected in accordance with current manufacturer maintenance instructions and was found airworthy for return to service. Pertinent details of the repair are on file at agency under Work Order No.: 23-05-005, Date: 10/16/2023.

Signed: [Signature]
 For AvDyne AeroServices LLC CRS #Y7NR985Y Page of

 DOMINION AVIATION	Maintenance Record Entry		Work Order Number: MX-25-1746	Date: 12/12/2025
	Article: Engine	Manufacture: Continental	Model: IO550N	Serial Number: 686694
Aircraft Registration Number: N956C	Aircraft Total Time: 1444.0	Aircraft Total Landings: N/A	Hobbs Time: 1444.0	

Work Performed:

Complied with 100-Hour and Annual Engine Inspection IAW Form DAS-019 Which Meets the Requirements of FAR 43, Appendix D, With Reference to Cirrus SR22 AMM 5-20.

Complied with Compression Test of All Engine Cylinders #1 60/80 #2 71/80 #3 76/80 #4 54/80 #5 76/80 #6 60/80. Master orifice 48/80.

Complied with oil and filter change. Drained engine oil and removed old oil filter. Cut open filter with no defects noted. Installed new CH48109-1 oil filter. Serviced engine with 7 qts of Aeroshell 15W50 oil and ground ran engine with no leaks detected ref Cirrus SR22 AMM 12-10.

Collected oil sample and sent out for analysis.

Washed engine with mineral spirits to remove dirt and oil as needed.

Borescope inspected cylinder #6 and found uneven burn pattern on #6 exhaust valve. Removed exhaust rocker box cover. Removed valve keepers, valve springs, and rotorcoil. Visually inspected exhaust valve seat and exhaust valve mating surfaces with no abnormal wear. Replaced the following parts with new: Valve springs P/N: 654442 x1 and P/N: 654441, rotocoil assembly P/N: 652112 x1, Valve Spring keepers P/N: 24802 x2, P/N: 501868 x2 lock tabs, and rocker box gasket P/N: 668893. Reassembled cylinder componets as required. Leak checks good. Reference: Continental M-16 IO-550 Permold Series Engine Maintenance and Overhaul Manual.

Borescope inspected cylinder #4 and found uneven burn pattern on #6 exhaust valve. Removed exhaust rocker box cover. Removed valve keepers, valve springs, and rotorcoil. Visually inspected exhaust valve seat and exhaust valve mating surfaces with no abnormal wear. Replaced the following parts with new: Valve springs P/N: 654442 x1 and P/N: 654441, rotocoil assembly P/N: 652112 x1, Valve Spring keepers P/N: 24802 x2, P/N: 501868 x2 lock tabs, and rocker box gasket P/N: 668893. Reassembled cylinder componets as required. Leak checks good. Reference: Continental M-16 IO-550 Permold Series Engine Maintenance and Overhaul Manual.

Complied with Cirrus SR22 74-01 by removal and replacement of all 12 spark plugs with new Champion P/N: RHB32E. Reference: Continental M-0 6-4.9.2.

Reviewed all applicable new and recurring airworthiness directives through 12/11/2025. No new AD's. Updated shop order as required.