



# **ENGINE LOG BOOK**



# **CONTINENTAL MOTORS**

# Aircraft Engine Test Verification


This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model I0360ES6B

Engine Serial Number 357478

## Testing Completed

Standard Acceptance Test:

Date of Completion 7-30-02 Test Operator 



Form No 98344

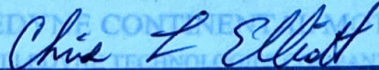
### CONTINENTAL MOTORS

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

This engine model  was manufactured on 07/30/2002 by Teledyne Continental Motors in accordance with 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.

Printed: 07/30/2002

This engine model I0360ES6 required by Serial No. 357478 was manufactured on 07/30/2002 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.

  
A TELEDYNE TECHNOLOGIES COMPANY

**TELEDYNE CONTINENTAL MOTORS**

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
8-19-02	0				Served Engine with 8 Qts of Phillips 20W/50 <b>WAFG</b> Straight Mineral Oil on 8/19/02 by <b>94</b> .

Date: 10/17/2003, Aircraft: N866CD, Type: SR20, S/N: 1235, Hobbs: 122.5, Total Time: 122.5, Engine - Type: IO360ES6, S/N: 357478, Time: 122.5, Prop Type: BHC-J2YF, S/N: EF 294B, Time: 122.5

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 7qts of Exxon Elite 20W/50 oil. Performed compression test. #1- 74/80, #2- 73/80, #3- 73/80, #4- 75/80, #5- 74/80, #6- 77/80. Removed, cleaned, gapped, tested, rotated, and reinstalled sparkplugs. Mag timing checked, ok. Removed alternator to facilitate changing of baffle at alternator. Reinstalled alternator, connected wires and hardware. Removed fuel injectors cleaned and reinstalled. Leak checked ok. Installed oil quick drain on sump, PN: S6250. Applicable AD's checked and c/w'd thru 2003-20. Engine 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 10/17/03, w.o.# 03-1312  
Recorded time 122.5 Total Time 122.5

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

Date: 9/24/2004, Aircraft: N866CD, Type: SR20, S/N: 1235, Hobbs: 154.4, Total Time: 154.4, Engine - Type: IO360ES6, S/N: 357478, Time: 154.4, Prop Type: BHC-J2YF, S/N: EF 294B, Time: 154.4

Drained engine oil, removed oil filter, cut and inspected oil filter, removed suction screen and inspected, reinstalled suction screen, installed new oil filter, and serviced engine with 7qts Exxon Elite 20W50 oil. Performed compression test. #1-72/80, #2-74/80, #3-72/80, #4-74/80, #5-70/80, #6-74/80. Removed, cleaned, gaped, tested, rotated, and reinstalled sparkplugs. Mag timing checked, ok. AD 02-13-04 TCM Mag impulse coupling N/A by serial number. Applicable AD's checked and c/w'd thru 2004-19. Ground run and leak check ok.

I certify that this ENGINE has been inspected in accordance with a ANNUAL inspection and was determined to be in an airworthy condition.

Date 9/24/04 Recorded Time 154.4 Total Time 154.4 W.O.# 04-1967

  
Authorized Signature Dulles Aviation Inc. CRS IBIR931E  
Manassas Va. 20110

ENGINE MODEL:  
IO360ES6  
ENGINE S/N: 357478  
REG. NO: N866CD  
WORK ORDER: 324



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

DATE: 5/20/2005  
A/C TSN: 171.2  
ENG TT: 171.2  
HOBBS: 185.6

**Engine Entries**

(2) Removed engine cowlings, alternator, disconnected fuel pump lines, removed alternator bracket assy. Installed new alternator bracket assy, pn: 654358, reconnected fuel pump lines, reinstalled alternator with new hardware.pn: 654358. Leak check fuel lines ok. Reinstalled cowlings.

**Maintenance Release**

The aircraft and/or component(s) on N866CD 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. 324

DATE: 5/20/2005

SIGNED:

  
Richard Clinton-Pittman  
Certified Repair Station No. IBIR931E

Work Order: 324

Printed by EBIS 3 (datcomedia.com)

# 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 →

ENGINE MODEL:  
IO360ES6  
ENGINE S/N: 357478  
REG. NO: N866CD  
WORK ORDER: 469



**Dulles Aviation, Inc.**

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

DATE: 7/28/2005  
A/C TSN: 205  
ENG TT: 205  
HOBBS: 205

### Engine Entries

(1) Removed engine cowlings, drained oil, removed oil filter and inspected. Installed new oil filter, serviced engine with 8 qts Exxon Elite 20W50. Reinstalled cowlings, leak check, ok.

### Maintenance Release

The aircraft and/or component(s) on N866CD 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. 469

DATE: 7/28/2005

SIGNED:

Work Order: 469

Richard Clinton Pittman  
Certified Repair Station No. IBIR931E

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ENGINE MODEL:  
IO360ES6  
ENGINE S/N: 357478  
REG. NO: N866CD  
WORK ORDER: 605



**Dulles Aviation, Inc.**

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

DATE: 10/10/2005  
A/C TSN: 219.2  
ENG TT: 219.2  
HOBBS: 219.2

### Engine Entries

(2) Performed 100 hr Engine Inspection. Compression: A1:72 A2:72 A3:71 A4:72 A5:75 A6:73. Serviced spark plugs. Changed oil and filter, inspected filter, serviced with 8qts Exxon elite 20W50 oil. Ground run and leak check ok. Applicable AD's have been checked and complied with thru 2005-19.

### Maintenance Release

The aircraft and/or component(s) on N866CD 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. 605

DATE: 10/10/2005

SIGNED:

Work Order: 605

Richard Clinton Pittman  
Certified Repair Station No. IBIR931E

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ENGINE MODEL:  
IO360ES6  
ENGINE S/N: 357478  
REG. NO: N866CD  
WORK ORDER: 859



**Dulles Aviation, Inc.**

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

DATE: 3/2/2006  
A/C TSN: 226.6  
ENG TT: 226.6  
HOBBS: 226.6

### Engine Entries

(9) Drained oil, removed oil filter, inspected filter, no defects noted. Installed new filter, serviced with 8qts Exxon Elite 20W50 oil. Ground run ok. Reinstalled engine cowlings.

### Maintenance Release

The aircraft and/or component(s) on N866CD 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. 859

DATE: 3/2/2006

SIGNED:

Work Order: 859

Richard Clinton Pittman  
Certified Repair Station No. IBIR931E

Printed by EBIS 3 (datcomedia.com)

ENGINE MODEL:  
IO360ES6  
ENGINE S/N: 357478  
REG. NO: N866CD  
WORK ORDER: 1339



**Dulles Aviation, Inc.**

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

DATE: 11/7/2006  
A/C TSN: 332.4  
ENG TT: 332.4  
HOBBS: 332.4

### Engine Entries

(8) Performed 100 hr engine inspection. All AD's have been checked and complied with thru 2006-22.... (17) Adjusted engine idle to 700 rpm, also performed TCM SB 97-3C fuel flow setting, no adjust required.

### Maintenance Release

The aircraft and/or component(s) on N866CD 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. 1339

DATE: 11/7/2006

SIGNED:

Work Order: 1339

Richard Clinton Pittman  
Certified Repair Station No. IBIR931E

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# Engine Service and Maintenance Record

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

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

**Brook** ENGINE MODEL IO320ESG  
 ENGINE S/N 357478  
 REG. NO. N366CD  
 WORK ORDER 2096



**Dulles Aviation, Inc.**  
 Repair Station No. 1B1R931E  
 10501 Observation Road  
 Manassas, Virginia 20110  
 Phone: 703-361-2171

DATE: 1/10/2008  
 A/C TSN: 3512  
 ENG. IT: 3513  
 H-EBBS: 3512

**Engine Entries**

(2) Performed 100 hr Engine Inspection. Compression: A1 73 A2 74 A3 73 A4 74 A5 76 A6 74. Serviced spark plugs. Changed oil and filter. Inspected filter. Serviced with 3qts Exxon elite 20W50 oil. Ground run and leak check ok. Applicable AD's have been checked and complied with thru 2008-01.  
 (25) Repositioned clamp on Cyl #5 intake cuff to avoid chaffing. (27) Removed large washer on prop control rod end that was chaffing on fwd. baffle and installed smaller washer. Installed new cotter key. Ops ok good. (29) Re-tightened oil cooler support that was loose between cyl #2 and the oil cooler. (43) ICM engine fuel flows were all within limits. no adjustments needed at this time.

Maintenance Release

The aircraft and/or component(s) on N366CD was repaired and inspected in accordance with current FAR's rules of the Federal Aviation Regulations and was approved for return to service. Permanent details of the repair are on file at this repair station under Work Order No. 2096.

DATE: 1/10/2008

SIGNED:

*Charles Edward Schoenhuber*  
 Charles Edward Schoenhuber  
 Certified Repair Station No. 1B1R931E

Work Order: 2096

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**Engine Entries**

(1) Landed and serviced engine with 3 qts Exxon 20W50 pipe oil. Removed, inspected and installed a new oil filter. No defects noted. Leak check good at this time.

Maintenance Release

The aircraft and/or component(s) on N366CD was repaired and inspected in accordance with current FAR's rules of the Federal Aviation Regulations and was approved for return to service. Permanent details of the repair are on file at this repair station under Work Order No. 2597.

DATE: 10/2/2008

SIGNED:

*Charles Edward Schoenhuber*  
 Charles Edward Schoenhuber  
 Certified Repair Station No. 1B1R931E

Work Order: 2597

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**Engine Entries**

(2) Performed 100 hr engine inspection. AW Cirrus SR20 inspection guide. Compression: A1 73 A2 72 A3 70 A4 70 A5 72 A6 74. Change oil and filter serviced with 3 qts Exxon elite 20W50 oil. Checked fuel flow per CIO 243E. All AD's have been checked and complied with thru 2008-2. Ground run and leak check ok. (11) Tightened hose clamps on the Lycoming induction pipe. (15) Repaired Cylinder # 3 bottom spark plug lead. applied RTV to leads coming out of the left magneto cap to prevent further chaffing. ops ok good. (17) Cleaned 3rd and 4th pushrods. will monitor. (31) Removed, cleaned, inspected and reinstalled the check valve. Leak check good.

Maintenance Release

The aircraft and/or component(s) on N366CD was repaired and inspected in accordance with current FAR's rules of the Federal Aviation Regulations and was approved for return to service. Permanent details of the repair are on file at this repair station under Work Order No. 2773.

DATE: 2/19/2009

SIGNED:

*Charles Edward Schoenhuber*  
 Charles Edward Schoenhuber  
 Certified Repair Station No. 1B1R931E

Work Order: 2773

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**Engine Entries**

(1) Removed both spark plugs and injector from Cyl #5. Noted that the injector had blockage. Cleaned the injector and spark plugs and reinstalled. On subsequent #5 bleed lead on the LT mag. Removed and rotated spark plugs on Cyl #5 and ran engine. Cyl #5 solenoid dead on the LT mag. Tested Cyl #5's LT magneto lead, bottom lead, and found it to be defective. Removed cap on the LT mag and found arcing damage at the end of the lead. Removed LT mag from Cyl #5 lead from the aircraft. Cleaned Cyl #5's magneto contact and installed a new lead onto the LT magneto for Cyl #5. Run up engine. no defects noted.

Maintenance Release

The aircraft and/or component(s) on N366CD was repaired and inspected in accordance with current FAR's rules of the Federal Aviation Regulations and was approved for return to service. Permanent details of the repair are on file at this repair station under Work Order No. 2850.

DATE: 3/13/2009

SIGNED:

*Charles Edward Schoenhuber*  
 Charles Edward Schoenhuber  
 Certified Repair Station No. 1B1R931E

Work Order: 2850

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

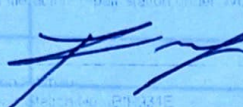
Brought Forward

**Dulles Aviation, Inc.**  
 10330 E St  
 Fairfax, VA 22031  
 Phone: (703) 441-4437

**Engine Entries**

Performed 100 hr engine inspection per VFR/CFR 100 inspection guide. Compression reads: 1 75 2 75 3 72 4 74 5 78 6 74 master intake 38 psi. Drained and serviced engine with 5 quarts of Exxon Elite oil. Removed, inspected and installed a new oil filter P/N CH46100-1 (no metal) noted. Removed spark plugs, cleaned, gapped, tested, rotated, and reinstalled. No leaks noted on post run. All A/FPS have been checked and complied with through 4/9/2012. Performed worm clamps securing the fuel injector lines to the intakes on Cyls 2, 4, 3, & 5. Installed new clamps p/n: MS21919WF27 on all intake pipe injector lines and installed a new clamp, p/n: MS21919WF27, securing the crankcase breather hose to Cyl. #6 intake pipe. (14) Reinstalled TCM 51047-3E. Adjusted unmetered pump pressure at idle RPM to 8 psi (unmetered pressure (21 psi) and metered pressure (14 psi) at full power within limits at this time.

I certify that this ~~engine~~ engine on ~~100~~ 100 hour inspection in accordance with an ~~100~~ 100 hour inspection and has been determined to be in an airworthy condition. Extent details are on file at this repair station under Work Order No. 3419.

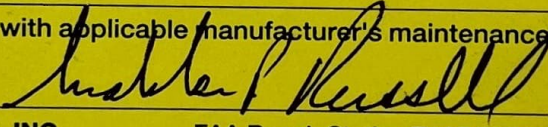
DATE: 3/1/2010 SIGNED:  Work Order: 3419  
 Printed by EBIS 3 (datamedia.com)

**Dulles Aviation, Inc.**  
 10330 E St  
 Fairfax, VA 22031  
 Phone: (703) 441-4437

DATE: 4/8/2011  
 A/C TSN: 462  
 ENG-TT: 469  
 HCBB5: 468

**WORK ORDER**

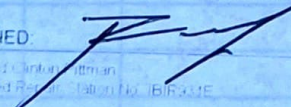
Work Order No. 63055 Customer Dulles Av.  
 Part No. 646220A53 Serial No. 030910R.  
 Nomenclature TCM Starter ADAPTER.  
 Description of work performed cleaned, inspected, replaced  
seal + O ring + washer tub.

All work performed in accordance with applicable manufacturer's maintenance and parts manuals.  
 Date 4-4-2011 Signed   
**TELEDYNE MATTITUCK SERVICES, INC.** FAA Repair Station T10R507Y

**Engine Entries**

Performed 100 hr engine inspection per VFR/CFR 100 inspection guide. Compression reads: 1 75 2 75 3 72 4 74 5 78 6 74 master intake 38 psi. Drained and serviced engine with 5 quarts of Exxon Elite oil. Removed, inspected and installed a new oil filter P/N CH46100-1 (no metal) noted. Removed spark plugs, cleaned, gapped, tested, rotated, and reinstalled. No leaks noted on post run. All A/FPS have been checked and complied with through 4/9/2012. Performed worm clamps securing the fuel injector lines to the intakes on Cyls 2, 4, 3, & 5. Installed new clamps p/n: MS21919WF27 on all intake pipe injector lines and installed a new clamp, p/n: MS21919WF27, securing the crankcase breather hose to Cyl. #6 intake pipe. (14) Reinstalled TCM 51047-3E. Adjusted unmetered pump pressure at idle RPM to 8 psi (unmetered pressure (21 psi) and metered pressure (14 psi) at full power within limits at this time.

I certify that this ~~engine~~ engine on ~~100~~ 100 hour inspection in accordance with an ~~100~~ 100 hour inspection and has been determined to be in an airworthy condition. Extent details are on file at this repair station under Work Order No. 4516.

DATE: 4/9/2012 SIGNED:  Work Order: 4516  
 Printed by EBIS 3 (datamedia.com)

ENGINE MODEL  
IO-360-ES 6  
ENGINE S/N 357478  
REG. NO. N866CD  
WORK ORDER 5035



Dulles Aviation, Inc.

Repair Station No. 1B1R931E  
10501 Observational Road  
Manassas, Virginia 20110  
Phone 703-361-2171

DATE 5/10/2013  
AV. TSN 517.6  
ENG. TT 517.6  
HOBBS 517.6

**Service Record**  
Special Inspections,

**Engine Entries**

(2) Performed a 100 hr engine inspection IAW Cirrus SR20 inspection guide. Compression reads: 1:72 2:69 3:70 4:73 5:73 6:70 master orifice, 36 psi. Drained and serviced engine with 8 qts of Exxon Elite oil. Removed, inspected and installed a new oil filter, P/N CH48108-1, no metal noted. Removed spark plugs, cleaned, gapped, tested, rotated, and reinstalled. No leaks noted on post run. All AD's have been checked and complied with through May 10, 2014.... (10) Complied with SID97-3E fuel flow check. Fuel pressure settings found to be within limits, no adjustments needed. Removed test equipment and reconnected fuel lines as removed. No leaks noted.... (20) Removed and installed a new gasket on the oil filler cap, P/N 642892, and a new O-ring onto the oil dip stick, P/N AS3578-011.

I certify that this ~~engine/piston~~ engine/piston on N866CD has been inspected in accordance with an annual 100 hour inspection and has been determined to be in an airworthy condition. Pertinent details are on file at this repair station under Work Order No. 5035

DATE: 5/10/2013

SIGNED:

Francis Corey  
Certified Repair Station No. 1B1R931E

Work Order: 5035

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**Switlik Aviation Maintenance, Inc.**

Page Field Airport (FMY)  
207 Danley Drive  
Fort Myers, Florida 33907  
239-936-3666 [www.switlikaviation.com](http://www.switlikaviation.com)



Date	Hour meter	Total time	---	---	---	---	---
06/06/2014	530.9	530.9	---	---	---	---	---

Checked compression 1) 78/80, 2) 78/80, 3) 78/8, 4) 76/80, 5) 78/80, 6) 76/80. Drained oil. Replaced oil filter. Serviced with Exxon Elite oil. Cleaned fuel injectors and fuel screen. Replaced air filter. Cleaned spark plugs. Checked magneto to engine timing. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A. Richardson* John A Richardson 262536133 IA

**Switlik Aviation Maintenance, Inc.**

Page Field Airport (FMY)  
207 Danley Drive  
Fort Myers, Florida 33907  
239-936-3666 [www.switlikaviation.com](http://www.switlikaviation.com)



Reg. No.	S./N.	Date	Hobbs	T.T.	S.M.OH.	Page
N866CD	SR20-1235	8/2/2015	544.7	544.7		

Model IO-360-ES6B S/N 357478 Eng. TT 544.7

Changed oil and filter. Exxon Elite 20W50 oil. Borescope inspected cylinder walls. Cleaned, gapped and rotated spark plugs. Checked mag timing and ignition harness. Replaced air filter element. Inspected exhaust system. Installed overhauled fuel pump, p/n 649368-22A4. Compression #1 78/80, #2 78/80, #3 78/80, #4 76/80, #5 78/80, #6 76/80. Checked AD compliance thru BW15-14. Ground run and operational checked. Set fuel pump pressures per TCM SB. I have inspected this engine in accordance with an Annual inspection and found it to be in an airworthy condition.

*Edward Switlik*  
Edward Switlik  
IA2197076

# 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.



## Switlik Aviation Maintenance Inc.

Page Field Airport (FMY)  
207 Danley Drive  
Fort Myers, Florida 33907  
239-936-3666

www.switlikaviation.com

Reg. No.	Date	HOBBS	ETT	---	---	---	---
N866CD	09/12/2016	559.0	559.0	---	---	---	---

Complied with an annual inspection. Compression checked 1) 78/80, 2) 73/80, 3)78/80, 4) 76/80 5) 76/80, 6) 78/80. Replaced sparkplugs. Complied with 500hrs. inspection in LH and RH mags. Checked magneto timing to engine. Inspected exhaust system. Cleaned fuel injectors and screen. Changed oil and filter . Added 8 qts. of Exxon Elite 20W-50 oil. Checked AD compliance thru 2016-18.

I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. *Albert A Angoluan* Albert A Angoluan IA2857040

## Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)  
207 Danley Drive  
Fort Myers, Florida 33907  
239-936-3666

www.switlikaviation.com



Date	---	Hobbs	---	A/CTT	---	EngTT	---
10/10/2017	---	584.5	---	584.5	---	584.5	---

Changed Oil & Filter. Added 8qts Exxon Elite 20W50 . Cleaned, gapped & rotated spark plugs. Checked mag timing & ignition harness. Cleaned injector nozzles. Inspected exhaust system. Replaced induction air filter element. Compression on cylinders #1 78/80 #2 76/80 #3 78/80 #4 78/80 #5 76/80 #6 78/80. Checked AD compliance thru BW 2017-20. I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*Frank Kurtz*

Frank Kurtz IA 3509467

## Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)  
207 Danley Drive  
Fort Myers, Florida 33907  
239-936-3666

www.switlikaviation.com



Date	Reg. number	Airframe s/n	Engine s/n	Hobbs	Total	---	---
11/21/2018	N866CD	1235	357478	614.4	614.4	---	---

Checked compression 1) 78/80, 2) 78/80, 3) 76/80, 4) 78/80, 5) 78/80, 6) 78/80. Drained oil. Replaced oil filter. Serviced with Exxon Elite 20W-50 oil. Cleaned spark plugs. Checked magneto to engine timing. Cleaned fuel injectors, and fuel screen. Replaced air filter. Replaced flow divider diaphragm seal. I have inspected this engine in accordance with an annual inspection and find it to be in airworthy condition.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A Richardson*

John A Richardson 262536133 IA



# 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.

## Switlik Aviation Maintenance, Inc.

Page Field Airport (FMY)  
207 Danley Drive  
Fort Myers, Florida 33907  
239-936-3666 www.switlikaviation.com



Date	Reg. number	Airframe s/n	Engine s/n	Hobbs	Total	---	---
02/01/2019	N866CD	1235	357478	624.5	624.5	---	---

Adjusted idle fuel mixture. Cleaned #3 fuel injector. Removed starter adapter. Starter adapter repaired by Certified Engines Unlimited, Pembroke Pines FL. Work order 51861-000, dated 01/21/2019. Installed starter adapter. Run-up check was normal.

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration and the aircraft identified above is presently approved for return to service.

*John A. Richardson* John A Richardson 262536133 A&P

5/11/19 667

CHANGE OIL & FILTER  
New CHAMPION 48108-1 FILTER 8qts AeroShell  
100W OIL NO LEAKS  
Raymond Larner 3220813A

SR20 N966CD 8/26/2019 ACTT ETT 713.4

Performed annual inspection IAW Cirrus MM Sect 05-20. Changed oil and filter. Added 8 qts. Aeroshell W100 oil and installed CH48108-1 oil filter. Replaced BA24 engine air filter. Performed compression test and all readings satisfactory, cyl #1 74/80, #2 76/80, #3 70/80, #4 74/80, #5 74/80 #6 72/80. Cleaned and gapped spark plugs. Engine leak test good. I certify that this engine was inspected IAW a 100 hour inspection and was determined to be in airworthy condition.

Raymond Larner A3220813 *Raymond Larner*

8/26/2019 713.4 Tac N966CD

Performed annual inspection IAW Cirrus MM Sect 05-20. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition

*Greg Johns* AP341253710  
Greg Johns AP34125371A Punta Gorda FL.






**3200 airport west drive  
Vero Beach FL, 32960**

**Maintenance, Inc.**

DATE 5/28/2021 N# 866CD A/C S/N 1235  
HM 911.9 TT 911.9 TSMOH \_\_\_\_\_

RESEARCHED AD NOTES THROUGH 2021-11, NONE APPLY AT THIS TIME. COMPRESSION CHECK #1 73/80 #2 75/80, #3 75/80, #4 75/80, #5 74/80, #6 76/80. CHANGED OIL SERVICED WITH 8 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48108, REPLACED PUSHROD TUBE SEALS P/N 630286 AND 641607, REPLACED ALL VALVE COVER GASKETS AND LOCK TAB WASHERS P/N 501867, REPLACED CRANKSHAFT SEAL WITH NEW P/N 530917, REPLACED LEFT AND RIGHT IGNITION HARNESSSES WITH NEW KA12778, TEST RAN ENGINE OPS CHECK OK. LUBED ALL CONTROLS, NO LEAKS FOUND.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE.  
EVAN LOBDELL  A&P3315530IA




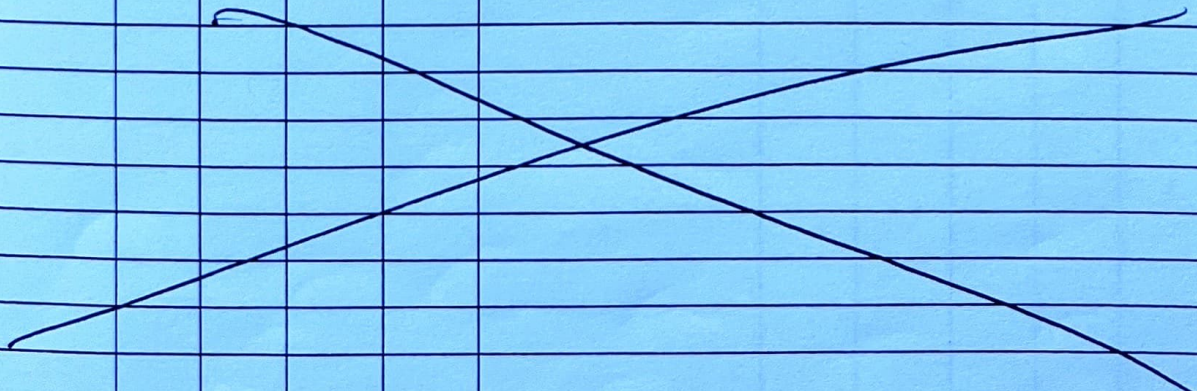
**3200 airport west drive  
Vero Beach FL, 32960**

**Maintenance, Inc.**

DATE 6/23/2022 N# 866CD A/C S/N 1235  
HM 977.6 TT 977.6 TSMOH \_\_\_\_\_

RESEARCHED AD NOTES THROUGH 2022-13, NONE APPLY AT THIS TIME. COMPRESSION CHECK #1 73/80 #2 75/80, #3 72/80, #4 77/80, #5 72/80, #6 78/80. CHANGED OIL SERVICED WITH 8 QTS AEROSHELL W100 PLUS, REPLACED FILTER CH48108, TIGHTENED CLAMPS ON INAKE TUBE #5, #4 CYLINDER RUNNING HOT FOUND #4 AND #6 INDUCTION DRAIN LINES LOOSE. TIGHTENED DRAIN LINES. INSTALLED GAMI FUEL INJECTOR IAW STC SE 09963SCSEE 337 DATED 6/23/2022. TEST RAN ENGINE OPS CHECK OK. LUBED ALL CONTROLS, NO LEAKS FOUND.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE.  
EVAN LOBDELL  A&P3315530IA



Corporate Air



3200 airport west drive  
Vero Beach FL, 32960


Maintenance Record

Business Directives, Special Inspections,  
Modifications and Service Bulletins

Brought **Maintenance, Inc.**

DATE 7/20/2023 N# 866CD A/C S/N 1235  
HM 989.5 TT 989.5 TSMOH \_\_\_\_\_

RESEARCHED AD NOTES THROUGH 2023-14, NONE APPLY AT THIS TIME. COMPRESSION CHECK #1 70/80  
#2 74/80, #3 72/80, #4 73/80, #5 75/80, #6 75/80. CHANGED OIL SERVICED WITH 8 QTS AEROSHELL  
W100 PLUS, REPLACED FILTER CH48108, CLEANED AND GAPPED SPARKS PLUGS, CLEANED FUEL  
INJECTORS, TEST RAN ENGINE OPS CHECK OK.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL  
INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE.  
EVAN LOBDELL  A&P3315530IA

1. Approving Civil Aviation Authority/Country:  
FAA/United States

2

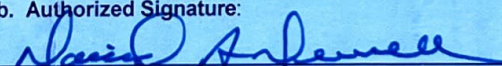
# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization  
Great Planes Fuel Metering, Inc 740 South 142<sup>nd</sup> East Ave, Tulsa Oklahoma 74108 CRS # 1GPR022B

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Fuel pump	649368-22A4	1	C280015B	Overhauled

12. Remarks:  
Repair Spec GPL1000 Rev 2 5/20/12. CMI SB00-10.

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval Authorization No:	14b. Authorized Signature: 	14c. Approval/Certificate No: 1GPR022B
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): David A. Dewell	14e. Date (dd/mmm/yyyy): 04-Feb 2015

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.