



ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 411126 . N11336

ENGINE MODEL AND SERIAL T50 550-C(11) 804067

D5518-3-13

INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

Copyright © 1993

MAINTENANCE RECORD

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
 Van Bortel Aircraft Inc. 4912 S. Collins St., Arlington, TX 76018 FAA CRS VNFR171L N1133G HM 68.5 TOTAL 68.5 DATE 04/22/2009 W.O. SV1798 ENGINE: TCM MODEL: TSO-550-C(11) SERIAL: 804067 OIL AND FILTER CHANGED. NO DEFECTS NOTED IN REMOVED OIL FILTER MEDIA; INSTALLED NEW CH48108-1 FILTER AND 7 QUARTS EXXON ELITE 20W50 OIL. VERIFIED PROPER TORQUE AND INSTALLED NEW SAFETY WIRE ON BOTH REAR ENGINE MOUNTS. GROUND RUN SATISFACTORY WITH NO LEAKS NOTED. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER. 18-3-24-03 DAVID R. JONES <i>David R. Jones</i> INSPECTOR				

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

**Van Bortel Aircraft Inc.**

4912 S. Collins St., Arlington, TX 76018

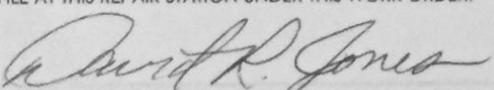
FAA CRS VNFR171L

N1133G HM 68.5 TOTAL 68.5 DATE 04/22/2009 W.O. SV1798

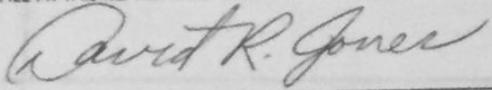
CESSNA 400 MODEL: LC41-550FG SERIAL: 411126

COMPLIED WITH CESSNA SB09-27-01 BY REMOVING RUDDER AND PERFORMING INITIAL INSPECTION OF RUDDER HINGE AND BRACKETS IN ACCORDANCE WITH SB INSTRUCTIONS. NO DEFECTS NOTED, REINSTALLED RUDDER IN ACCORDANCE WITH CESSNA 400 MANUAL RC050001L, NEXT INSPECTION DUE IN 25 HOURS AT 93.5 HRS TOTAL TIME.

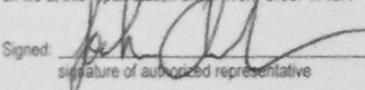
THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

DAVID R. JONES
INSPECTOR


MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
 Van Bortel Aircraft Inc. <u>4912 S. Collins St., Arlington, TX 76018</u> <u>FAA CRS VNFR171L</u> N1133G HM 82.8 TOTAL 82.8 DATE 05/14/2009 W.O. SV1815 CESSNA 400 MODEL: LC41-550FG SERIAL: 411126 REMOVED OIL COOLER WINTERIZATION DOOR P/N LA71803010 DUE TO BROKEN DOOR TAB, INSTALLED AND RIGGED NEW DOOR ASSEMBLY P/N LA71803010 IN ACCORDANCE WITH MK400-71-01 MOD KIT INSTRUCTIONS, REFERENCE SB09-71-02. INSTALLED NEW CROSS TIE RELAY K11 P/N 70-902. OPERATION TEST SATISFACTORY. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.  DAVID R. JONES INSPECTOR				

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
<p style="text-align: center;">AIRFRAME LOGBOOK ENTRY</p> <p>06-08-09 N1133G TACH: 126.2 TT: 126.2</p> <p>Complied with AD 2009-09-09 (rudder hinges) by inspector per paragraph (1)(A) and SB09-27-01. AD due again every 25 hours, TIS or 3 months. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 17187.</p> <p>Signed:  Signature of authorized representative</p> <p>Rite-Way Aviation, Inc. Repair Station YWYR832L 7814 Eagle Lane, Spring, TX 77379</p>				

MAINTENANCE RECORD



Midwest Corporate Aviation.

N#: 1133G
Date: 16 July 2009

Engine Log

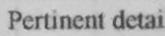
Cessna 400 S/N: 411126
HM: 161.1

- Cleaned contamination from fuel distribution valve. IAW TSIO-550 OM App.B
- Performed TCM SID-97-3E Fuel pressure setup.
- Leak and operational checks satisfactory.

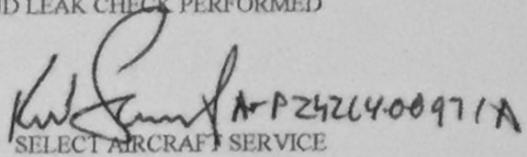
I certify that this aircraft was repaired / inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the maintenance are on file at this repair station under W/O # 24662.

for Midwest Corporate Aviation, CRS# BVYR657C.

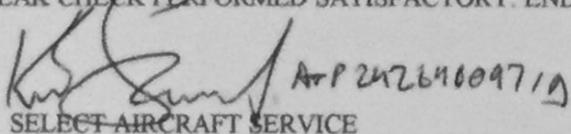
MAINTENANCE RECORD

TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
HOURS	10THS		
		 Engine Log N#: 1133G Cessna 400 S/N: 411126 Date: 17 August 2009 HM: 199.8	
<p>Midwest Corporate Aviation.</p> <ul style="list-style-type: none"> • Drained oil, removed, cut open and inspected filter, no metallic particles noted. Installed new P/N CH48108-1 oil filter. Serviced engine with 8 Phillips 20w50 oil. Performed ground runs, ops checks, and leak checks. no leaks noted. IAW Cessna 400 MM 11-4 <p>I certify that this aircraft was repaired / inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the maintenance are on file at this repair station under W/O # 24726.</p> <p> for Midwest Corporate Aviation, CRS# BVYR657C.</p>			

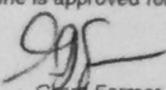
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			DATE 8-21-09 HOBBS 207.7 N1133G R/R MANIFOLD PRESSURE TRANSDUCER P/N P165-30A-E1A. R/R INDUCTION AIR FILTER P/N BA345E. R/R AIR CONDITIONING BELT GUARD P/N LB21710011-A. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END.	 SELECT AIRCRAFT SERVICE

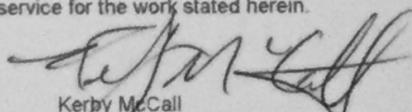
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			DATE 9-18-09 HOBBS 231.4 TT 231.4 N1133G I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. COMPRESSIONS ARE AS FOLLOWS 1) 70/80, 2) 68/80, 3) 72/80, 4) 68/80, 5) 72/80, 6) 68/80. OIL AND FILTER CHANGE. CUT & INSP. OIL FILTER. INST. NEW CH48108-1 OIL FILTER. SERVICED ENGINE WITH 8 QTS. OF EXXON ELITE 20W-50 OIL. MAINTENANCE AND REPAIRS ARE AS FOLLOWS: R/R INDUCTION AIR FILTER P/N BA345E. CHECK AND ADJUST FUEL SYSTEM IAW TELEDYNE SID97-3E. R/R WASTE GATE DRAIN LINE 3 FT OF P/N 306-4 HOSE. WASHED DOWN ENGINE. ALL AD'S CURRENT SEE AD LIST. GROUND RUN. OPERATIONAL AND LEAK CHECK PERFORMED SATISFACTORY. END	 SELECT AIRCRAFT SERVICE

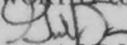
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>DUNKIRK AVIATION 3389 MIDDLE ROAD DUNKIRK, NY 14048</p> <p>Phone: 716-366-6938 Fax: 716-366-6986</p> <p>Work Order# 7160 Date: 12-01-09 Aircraft: N1133G Serial: 804067 Hobbs: 271.9 Total Time: 271.9</p> <p>Changed engine oil. Serviced with 8 quarts Exxon Elite 20W50 engine oil and Champion oil filter CH48109-1. Oil sample was taken for analysis. Removed and replaced engine oil pressure transducer, PN-P165-100G-E4A. Run-up, function, and leak check performed – no leaks or defects noted. I certify this engine is approved for return to service for the work stated herein.</p> <p> Grant Farmer CRS#IC1R213K WO#7160</p>	

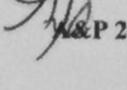
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>DUNKIRK AVIATION 3389 MIDDLE ROAD DUNKIRK, NY 14048</p> <p>Phone: 716-366-6938 Fax: 716-366-6986</p> <p>Work Order# 7179 Date: 01-06-10 Aircraft: N1133G Serial: 804067 Hobbs: 298.1 Total Time: 298.1</p> <p>Installed Tanis Engine Pre-heater System, PN TAS100-12 W/ optional TAS107 elements, SN – 43454, per Tanis Instructions #104 and #186 and Tanis Drawing #100C Rev.1. Function test satisfactory. Completed aircraft weight and balance / equipment list to reflect change. I certify this engine is approved for return to service for the work stated herein.</p> <p> Kerby McCall CRS#IC1R213K WO#7179</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		February 10, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 323 Total Time 323	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. Grant J. Farmer  A&P 2836880 IA	
			March 21, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 370 Total Time 370	
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. Grant J. Farmer  A&P 2836880 IA	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		April 25, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 409.3 Total Time 409.3	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. Grant J. Farmer  A&P 2836880 IA	
			May 28, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 455 Total Time 455	
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. Grant J. Farmer  A&P 2836880 IA	

July 20, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 501.2 Total Time 501.2

August 5, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 550.6 Total Time 550.6

Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.

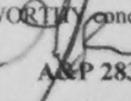
Grant J. Farmer

A&P 2836880 IA

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

MAINTENANCE RECORD

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
March 26, 2011	TSIO-550-C11	S/N 804067	T/N: N1133G Hobbs Time: 583.0 Total Time 583.0	Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. Grant J. Farmer  AP 2836880 IA



GOODRICH AVIATION MAINTENANCE CENTER

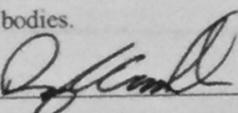
Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com

Date: 5/9/11	Reg: N1133G	Type: LC41-550FG	Total Time: 592.5	Tach Time: 592.5	Engine IT: 592.5
--------------	-------------	------------------	-------------------	------------------	------------------

MAINTENANCE ITEMS PERFORMED:

1. Removed Continental TSIO-550-C11, S/N 804067 and sent it to Mattituck Engine Services for IRAN due to low cylinder compressions and spalling lifter bodies.

Douglas Goodrich


AP3460684



GOODRICH AVIATION MAINTENANCE CENTER

Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com

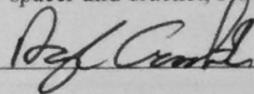
Date: 6/13/11	Reg: N1133G	Type: LC41-550FG	Total Time: 592.5	Tach Time: 592.5	Engine IT: 592.5
---------------	-------------	------------------	-------------------	------------------	------------------

DATE

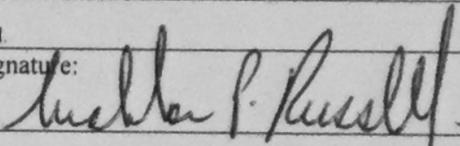
MAINTENANCE ITEMS PERFORMED:

1. Installed Continental TSIO-550-C11, S/N 804067 after Mattituck Engine Services for IRAN, see Mattituck work order 33808. Invoice with new parts list has been added to the logbook. Installed in accordance with Continental Manual M-18 and Cessna Corvalis Service Manual Chapter 71. Engine was pre-oiled before starting.
2. Installed Hartzell HC-H3YF-1RF, S/N LY580B, after cleaning and inspection. See East Coast Propeller Service Yellow Tag dated 5/19/11 and work order ER-8692. Used new C-3317-228 o-ring.
3. Installed overhauled propeller governor, P/N C290D3R/T43, S/N 071160. See New England Propeller Service work order CR-38019.
4. Performed fuel system set up in accordance with SID97-3E.
5. Installed new EGT probe in #3 cylinder, P/N AF1163201.
6. Complied with Cessna SB10-24-01 by installing new spacer and bracket, P/Ns 2858100-10 and 2858100-7.

Douglas Goodrich


AP3460684

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

Engine Model:	TS10-550-C	Engine S/N:	804067	Engine Time:	592.5
DATE	Mattituck Services Inc. FAA Repair Station T10R834B 410 Airway Drive Mattituck, New York 11952				IE,
This engine was disassembled, cleaned, inspected and repaired as necessary. Parts replaced per the supplied parts list. Engine reassembled and test cell run per Teledyne Mattituck Special Process SP1012C.					
Complied with the following Service Bulletins: <u>CSB668, MSB94-8D, SB97-6B, SB09-7, SB09-4A</u> <u>SB08-13, SID 97-3E, SB08-4, SB96-7C, SIL02-4, SID97-4C, SIL99-1,</u> <u>CSB97-10A, SIL93-15, M93-8, M93-4, M91-9, M76-4</u>					
Complied with the following AD Notes: <u>NONE APPLICABLE AT THIS TIME.</u>					
This engine is airworthy and returned to service with respect to the work performed.					
Work Order:	33808	Authorized Signature:	 Michael P. Russell 5-24-2011		

Form RS-061 Rev (April 2011)

Engine Component Serial Number Summary:

ITEM	Serial Number	Item	Serial Number
Camshaft	89533	Left Magneto	D081A281
Crankshaft	N08HAI29	Right Magneto	D081A280
Crankcase	ROBEA576	Starter	08280131
Connecting Rod	AE08HB061	Manifold Valve	C081A177
Connecting Rod	AE08HB183	Fuel Pump	B081A177
Connecting Rod	AE08HB009	Metering Unit	A081A242
Connecting Rod	AE08HB058	Oil Cooler	B10856357
Connecting Rod	AE08HB011	Alternator	0081A013
Connecting Rod	AE08HB051	Turbocharger	NIA
Cylinder-1	AC081B110	Turbocharger	NIA
Cylinder-2	AC081B124	Turbo Controller	A0CNO0193
Cylinder-3	AC081B155	Turbo Controller	NIA
Cylinder-4	AC081B252	Overboost Valve	LGNO0256
Cylinder-5	AC081B113	Wastegate	NIA
Cylinder-6	AC06FB344		

Form RS-062 Rev (April 2011)

**GOODRICH AVIATION MAINTENANCE CENTER**

Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com

Date: 7/14/11 | Reg. N1133G | Type: C41-550FG | Total Time: | Tach Time: 621.3 | Engine TT: 621.3

SIGNATURE,
CERTIFICATE TYPE
NUMBERDATE
TC
IN
HOU

MAINTENANCE ITEMS PERFORMED:

1. Changed oil and filter using eight quarts Exxon Elite 20W-50 and AA48109 filter. Inspected filter for contamination, none found. Ops check good.

Douglas Goodrich

AP3460684

GOODRICH AVIATION MAINTENANCE CENTER

Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

DATE

MAINTENANCE ITEMS PERFORMED:

1. Compression test performed: #1 52, #2 68, #3 59, #4 52, #5 63, #6 61/80 psi. Master orifice reading 46/80 psi. Borescope inspection performed.
2. Changed oil and filter using eight quarts Exxon Elite 20W-50 oil and CH48109 filter. Inspected oil filter for contamination, none found.
3. Installed Tanis upper crankcase heater element, P/N TAS300B.
4. Installed new manifold pressure transducer, P/N P165-30A-E1A.
5. Installed new oil pressure transducer, P/N P165-100G-E4A.
6. Repaired oil cooler winterization door and reinstalled it.
7. Installed new rod ends on mixture, throttle, and prop controls, P/N CW-3BM-2.
8. Installed new warm air cable, P/N A700-BLACK.
9. Installed one new RHB32S spark plug.

AIRWORTHINESS DIRECTIVES COMPLIED WITH:

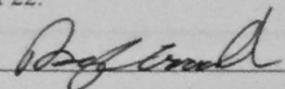
1. No new or recurring ADs due at this time.

I certify that this engine and propeller have been inspected in accordance with an Annual Inspection as required by 14 CFR Part 91.409(a)(1) utilizing the checklist in Part 43 Appendix D and was found to be in airworthy condition.

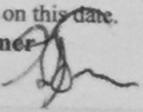
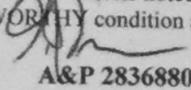
Douglas Goodrich

AP34606841A

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			GOODRICH AVIATION MAINTENANCE CENTER Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com Date: 4/26/12 Reg: N1133G Type: Col 4 Total Time: 738.2 Hobbs Time: 738.2 Engine 1: 738.2	
MAINTENANCE ITEMS PERFORMED: <ol style="list-style-type: none"> Removed #4 and #2 cylinder and sent them to Mattituck for warranty repair. Reinstalled cylinder IAW TCM Overhaul Manual. See yellow tags for more information on repairs. Installed new right side TIT probe, P/N 86245. Changed oil and filter using 8 quarts of Aeroshell 100 mineral oil and a CH48109-1 filter. Inspected filter for contamination, none found. Cleaned tach sensor connector and added Stabilant 22. <p>Douglas Goodrich  AP3460684</p>				

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		ID	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
June 20, 2012	TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 752.0 Total Time 752.0			
	Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.			
	Grant J. Farmer  A&P 2836880 IA			
	August 1, 2012 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 790.1 Total Time 790.1			
	Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.			
	Grant J. Farmer  A&P 2836880 IA			

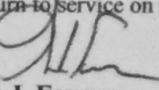
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>Sept 4, 2012 TSION-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 820.2 Total Time 820.2</p> <p>Aircraft failed the right magneto check prior to flight. Inspection showed failed ignition lead for the bottom plug, right magneto plug on cylinder number 2. Both left and right ignition harnesses, PN 10-423674-21, were replaced. Removed harness SN K08L&R Installed harness new harness (new harness does not contain a SN). Post maintenance engine run-up OK. Aircraft returned to service this date.</p> <p> Grant J. Farmer</p> <p>A&P 2836880 IA</p>	

October 7, 2012 Columbia 400 S/N 411126 T/N: N1133G

Total Time: 826.3 Tach Time: 826.3

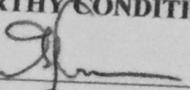
Aircraft engine prepared for annual inspection. Engine run-up for condition and static RPM check, both good. All inspection covers removed. Annual inspection performed per Cessna Maintenance Manual 400MM01, 100hr Inspection Checklist and FAR part 43 appendix D. Engine oil drained, screens checked for metal. No metal discovered. Added 8 qts Exxon Elite 20W50. Engine compression check cold: #1 70/80 #2 78/80 #3 68/80 #4 78/80 #5 70/80 #6 68/80. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.


Grant J. Farmer

A&P 2836880 IA

Date OCT 7, 2012 Total Time In Service 826.3
Tachometer Time 826.3

Airworthiness Directives checked thru OCT 7, 2012
I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in AIRWORTHY CONDITION on this date.

Signed 
Grant J. Farmer

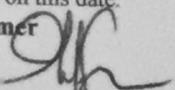
A&P #2836880 IA

D

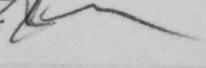
MED

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
January 3, 2013	TSIO-550-C11	S/N 804067	T/N: N1133G Hobbs Time: 873.9 Total Time 873.9	
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.	
			Grant J. Farmer  A&P 2836880 IA	
April 4, 2013	TSIO-550-C11	S/N 804067	T/N: N1133G Hobbs Time: 924.2 Total Time 924.2	
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed., no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.	
			Grant J. Farmer  A&P 2836880 IA	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
July 10, 2013	TSIO-550-C11	S/N 804067	T/N: N1133G Hobbs Time: 960.2 Total Time 960.2	
			Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.	
			Grant J. Farmer  A&P 2836880 IA	

ZED SI
IFICAT
NUME

November 1, 2013

3/14 411120

Total time: 1013.2

Cessna COL-4
Tail: N1133G

Hobbs Time: 1013.2

Eugene prepared for annual inspection. Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. All Spark Plugs were removed, cleaned, inspected and reinstalled. LH turbo exhaust has crack at the turbo transition. Replaced exhaust section with Continental PN 657972 and replaced all LH carbides to carburetors.

Continental P/N 636465 and exhaust to turbo gasket with Continental P/N 637458. Engine compression check cold with ATS 2E-M60 with TCM SB 03-3 calibrated orifice #1 75/80 #2 77/80 #3 78/80 #4 79/80 #5 75/80 #6 78/80. Oil filter was cut and no unusual contamination was observed. No new or reoccurring AD's at this time. Run-up and leak check were performed, no leaks or defects noted. I certify that the above aircraft is in **AIRWORTHY** condition and is approved for return to service ~~of this date~~.

Grant J. Farmer A&P 2836880 LAJ

Date Nov 1, 2013 Total Time In Service 1013.2
Tachometer Time 1013.2
Airworthiness Directives checked thru Nov 1, 2013
I certify that this ENGINE has been inspected in accordance with
an ANNUAL inspection and was determined to be in
AIR WORTHY CONDITION on this date.

Signed Grant J. Farmer A&P #2836880 IA

April 30, 2014 TSIO-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 1065.3 Total Time 1065.3

Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.

Grant J. Farmer A&P 2836880 IA

June 19, 2014 TSIQ-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 1112.2 Total Time 1112.2

Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date.

Grant J. Farmer  A&P 2836880 IA

August 28, 2014 TSIQ-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 1164.1 Total Time 1064.1

DATE	TOTAL TIME IN SERVICE	
	HOURS	10TH

Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. *[Signature]*

Grant J. Farmer A&P 2836880 IA

October 6, 2014 TSI0-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 1202.0 Total Time 1202.0

Ran up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20w50. Replaced oil filter with CH48109-1. Oil filter was cut and no unusual contamination was observed. Run-up and leak check were performed, no leaks or defects noted. 50hr inspection of the engine components was completed. No defects noted. I certify that the above aircraft engine is in AIRWORTHY condition and is approved for return to service on this date. *[Signature]*

Grant J. Farmer  A&P 2836880 IA

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

November 24, 2014 **TSIO550C-11B** **S/N 804067**
Total Time: **1228.5** **Tach Time:** **1228.5** **TSMOH:** **1228.5**
Engine prepared for annual inspection. Ran-up aircraft then drained oil and removed filter. Replaced oil with 8qts Exxon Elite 20W50. Replaced oil filter with CH48109-1. All spark plugs were removed, cleaned, inspected and 16 reinstalled. 2 replaced with Champion RHB32-S. Engine started adapter was noted to slip during cranking. Engine started adapter was removed, and replaced with a Niagara Air Parts overhauled unit. Engine starter was replaced with a Sky Tec Model C25STS SN 4C5-411417. Engine compression check cold with ATS 2E-M60 with TCM SB 03-3 calibrated orifice #1 65/80 #2 77/80 #3 72/80 #4 76/80 #5 78/80 #6 77/80. Oil filter was cut and no unusual contamination was observed. No new or reoccurring AD's at this time. Run-up and leak check were performed, no leaks or defects noted. I certify that the above aircraft **ENGINE** is in **AIRWORTHY** condition and is approved for returned to service on this date.

Grant J. Farmer

A&P 2836880 IA

Date Nov 24 2014 Total Time In Service 1228.5
Tachometer Time 1228.5
Airworthiness Directives checked thru Nov 24, 2014
I certify that this ENGINE has been inspected in accordance with
an ANNUAL inspection and was determined to be in
AIRWORTHY CONDITION on this date.

FAA - PMA

This tag certifies that Sky-Tec Model No. **C24STS**
Serial No. **4C5-4-11417** was manufactured new on **13 Oct 2011**
by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
Supplement No. **6** in accordance with Sky-Tec's
FAA-Approved Quality System (14CFR Part 21, Subpart K).
This article has been determined to be airworthy.
For installation eligibility see www.skytecair.com/eligibility.htm
Starter Installed on **N11336** by **2323380 IA**
(Aircraft) (Mechanic)

Form CC1108-

MAINTENANCE RECORD

AUTHORIZED SIGNATURE

November 6, 2016 TS10550C-11B S/N 804067
Total Time: 1287.8 **Tach Time:** 1287.8 **TSMOH:** 1287.8
Due to engine oil seep, engine was removed from aircraft and torn down for inspection. Inspection revealed a crack in the crankcase between cylinders 4 and 6 that continued through a crankshaft main saddle

requiring a replacement case. Replacement was obtained from Divco under W/O 113669 (same engine serial number retained). Airworthy crankcase was installed on the engine. Cylinders were inspected, honed to TCM 010 dimension D specifications per SLD97-4C and new Continental piston rings P/N 654716P010 were installed. 2 rocker arms were replaced due to excessive wear on the rocker tip (#5 exhaust, #2 exhaust) with TCM P/N 652966. The oil pan was replaced with a new replacement TCM P/N 646922 pan due to wear from contact with an oil hose fitting. All gaskets/seals were replaced with PMA new replacements. Starter drive adapter was replaced with an overhauled unit from Aircraft Specialties W/O 239155. The LH Magneto was replaced with an overhauled unit from Quality Aircraft Accessories under W/O 019428. Engine Ground run and test flight was conducted and the engine meets all airworthiness parameters. I certify that the above aircraft **ENGINE** is in **AIRWORTHY** condition and is approved for return to service on this date.

Grant L Farmer ~ A&P 2816880 W

CARMET

November 6, 2016 TSO550C-11B S/N 804067
Total Time: 1287.8 Tach Time: 1287.8 TSMOH: 1287.8
Aircraft engine prepared for annual inspection. Engine run-up for condition and static RPM check, both good. Annual inspection performed per Continental Maintenance Manual, 100hr Inspection Checklist and FAR part 43 appendix D. Engine oil drained. Filter cut and checked for metal. No metal discovered. Added 8 qts Exxon 20W50. All spark plugs were removed, cleaned and inspected, 6 spark plugs were replaced with new Champion RHB32-S, and 6 were re-installed. Engine compression check cold with ATS 2E-M60 and TCM SB 03-3 calibrated orifice: #1 79/80 #2 77/80 #3 79/80 #4 79/80 #5 79/80 #6 78/80. No new or reoccurring AD's at this time. Run-up and leak check were performed, no leaks or defects noted. I certify that the above aircraft **engine** is in **AIRWORTHY** condition and is approved for return to service on this date.

Grant J. Farmer

A&P 2836880 IA

Date Dec 6, 2016 Total Time in Service 1237.8
Tachometer Time 1237.8
Airworthiness Directives checked thru Dec 6, 2016
I certify that this **ENGINE** has been inspected in accordance with
an **ANNUAL** inspection and was determined to be in **AIRWORTHY**
CONDITION on this date.

MAINTENANCE RECORD

DESCRIPTION OF THE WORK PERFORMED