

ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 411126 . N1133G

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

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.

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MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
12-8-2008	0	0	Engine Model TSIO-550-C11 S/N 804067 has been installed on aircraft S/N 411126 This engine has been serviced with mineral oil meeting Specifiaction SAE J1966.	<i>Mike Harder</i> Cessna ODA PC ODA-100129-CE
			DATE 2-17-08 HOBBS 19.8 N1133G	
			OIL AND FILTER CHANGE. INSPECT OIL FILTER. INSTALL NEW CH48108-1 OIL FILTER AND SERVICE ENGINE WITH 9 QTS. OF EXXON ELITE 20W-50 OIL. FUEL SYSTEM PRESSURES FOUND TO BE WITHIN MANUFACTURE SPEC. GROUND RUN AND LEAK CHECK SATISFACTORY. END.	
			<i>[Signature]</i> ARP 2426400971 A SELECT AIRCRAFT SERVICE	

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: TSIO-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.

DAVID R. JONES
INSPECTOR

David R. Jones

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

David R. Jones

MAINTENANCE RECORD

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	HOURS	10THS		



Van Bortel Aircraft Inc.

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

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



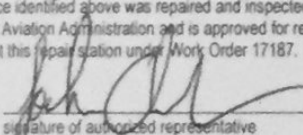
MAINTENANCE RECORD

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

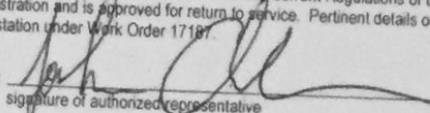
AIRFRAME LOGBOOK ENTRY

06-08-09 N1133G TACH: 126.2 TT: 126.2


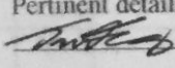
Complied with AD 2009-09-09 (rudder hinges) by inspection per paragraph (1)(A) and SB09-27-01. AD due again every 25 hours. TIS or 3 months. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal 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.



Signed:  Rite-Way Aviation, Inc.
signature of authorized representative Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

MAINTENANCE RECORD


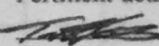
DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>ENGINE LOGBOOK ENTRY</p> <p>06-08-09 N1133G TACH: 126.2 TT: 126.2</p> <p>Changed oil and filter. Serviced with 7 quarts Exxon Elite 20W50 and CH48108-1 filter. Washed, ran up and leak checked. 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 17181.</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

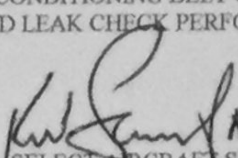
DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p> Engine Log</p> <p>N#: 1133G Cessna 400 S/N: 411126 Date: 16 July 2009 HM: 161.1</p> <p>Midwest Corporate Aviation.</p> <ul style="list-style-type: none"> Cleaned contamination from fuel distribution valve. IAW TSIO-550 OM App.B Performed TCM SID-97-3E Fuel pressure setup. Leak and operational checks satisfactory. <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 # 24662.</p> <p> for Midwest Corporate Aviation, CRS# BVYR657C.</p>	

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			 <p><i>Engine Log</i> N#: 1133G Cessna 400 S/N: 411126 Date: 20 July 2009 HM: 166.2 163.2</p> <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 # 24619.</p> <p> for Midwest Corporate Aviation, CRS# BVYR657C.</p>	

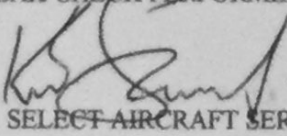
MAINTENANCE RECORD

TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	 <p><i>Engine Log</i> N#: 1133G Cessna 400 S/N: 411126 Date: 17 August 2009 HM: 199.8</p> <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>	

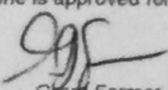
MAINTENANCE RECORD

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 <div style="text-align: right;">  A-P2426400971A SELECT AIRCRAFT SERVICE </div>	

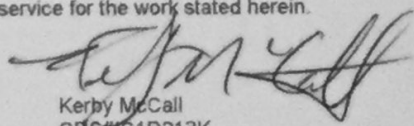
MAINTENANCE RECORD

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 <div style="text-align: right;">  A-P2426400971A SELECT AIRCRAFT SERVICE </div>	

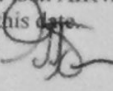
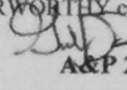
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			DUNKIRK AVIATION 3389 MIDDLE ROAD DUNKIRK, NY 14048 Phone: 716-366-6938 Fax: 716-366-6986	
			Work Order# 7160 Date: 12-01-09 Aircraft: N1133G Serial: 804067 Hobbs: 271.9 Total Time: 271.9	
			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.	
			 Grant Farmer CRS#IC1R213K WO#7160	

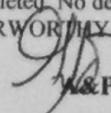
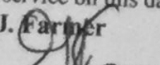
MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			DUNKIRK AVIATION 3389 MIDDLE ROAD DUNKIRK, NY 14048 Phone: 716-366-6938 Fax: 716-366-6986	
			Work Order# 7179 Date: 01-06-10 Aircraft: N1133G Serial: 804067 Hobbs: 298.1 Total Time: 298.1	
			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.	
			 Kerby McCall CRS#IC1R213K WO#7179	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			February 10, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 323 Total Time 323 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			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			April 25, 2010 TSIO-550-C11 S/N 804067 T/N: N1133G Hobbs Time: 409.3 Total Time 409.3 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	
			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

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 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

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK DONE	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			CHAUTAUQUA AIRCRAFT Phone: 716-664-7700 3163 AIRPORT DR. BOX 11 Fax: 716-664-7714 JAMESTOWN, NY 14701 CRS# IC1R213K Work Order# 7178 Date: 09/22/10 Aircraft: N1133G Engine Serial: 804067 Total Time: 553.3	
			Complied with Annual Inspection in accordance with 14 CFR 43 appendix D. Engine compression test performed. Compression test: 1: 60/80 2: 65/80 3: 66/80 4: 65/80 5: 6480 6: 60/80. Oil sample taken for analysis - no oil change at this time and date. Degreased engine compartment. Tightened 4 way oil pressure union / reducer at oil cooler manifold - no leaks noted. Externally timed left magneto to 24 BTC. Cleaned, gapped, and rotated spark plugs. Complied with SB 10-28-01 gascoiator and engine fuel manifold inspection- contaminates removed as per SB 10-28-01. Performed fuel pressure system set-up I/A/W TCM SID97-3E and Continental Maintenance Manual M-18, function and leak check satisfactory. Checked AD's for compliance thru issue 2010-19. Engine run-up performed -function and leak check satisfactory. I certify this Engine has been inspected in accordance with an Annual Inspection and is approved for return to service.	
			Kerby McCall CRS#IC1R213K W.O.# 7178	

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	
<p>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.</p> <p>Grant J. Farmer <i>[Signature]</i> AWP 2836880 IA</p>				



GOODRICH AVIATION MAINTENANCE CENTER

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

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

[Signature]

AP3460684



GOODRICH AVIATION MAINTENANCE CENTER

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

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

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

[Signature]

AP3460684

HORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

Engine Model: TS10-550-C	Engine S/N: 804067	Engine Time: 592.5
Mattituck Services Inc. FAA Repair Station T10R834B 410 Airway Drive Mattituck, New York 11952		
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, SB08-13, SID97-3E, SB08-4, SB96-7C, SIL02-4, SID97-4C, SIL99-1, 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: <i>Michael P. Russell</i> 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	N08HA129	Right Magneto	D081A280
Crankcase	R08EA576	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	D081A013
Connecting Rod	AE08HB051	Turbocharger	NIA
Cylinder -1	AC081B110	Turbocharger	NIA
Cylinder-2	AC081B124	Turbo Controller	A0CNO00193
Cylinder-3	AC081B155	Turbo Controller	NIA
Cylinder-4	AC081B252	Overboost Valve	LGNO00256
Cylinder-5	AC081B113	Wastegate	NIA
Cylinder-6	AC06FB344		

Form RS-062 Rev (April 2011)

DATE TC
IN
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GOODRICH AVIATION MAINTENANCE CENTER

Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com
 Date: 7/14/11 Reg: N1133G Type: LC41-350FG Total Time: Tach Time: 6213 Engine TT: 6213

SIGNATURE,
ATE TYPE
NUMBER

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

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

AP3460684IA

THORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

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 T1: 738.2	
			MAINTENANCE ITEMS PERFORMED: 1. 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. 2. Installed new right side TIT probe, P/N 86245. 3. Changed oil and filter using 8 quarts of Aeroshell 100 mineral oil and a CH48109-1 filter. Inspected filter for contamination, none found. 4. Cleaned tach sensor connector and added Stabilant 22.	
			Douglas Goodrich <i>[Signature]</i> AP3460684	

MAINTENANCE RECORD

DATE	HC	DESCRIPTION OF THE WORK PERFORMED	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 <i>[Signature]</i> 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 <i>[Signature]</i> A&P 2836880 IA	

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A&P #2836880 IA

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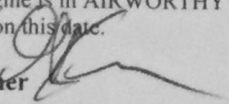
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AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

MAINTENANCE RECORD

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

MAINTENANCE RECORD

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

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November 1, 2013
S/N 411126

2/18 411126
Total Time: 10133

Total Time: 1013.2

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 reinstalled. L/H turbo exhaust has crack at the

turbo transition. Replaced exhaust section with Continental P/N

657972, and replaced all L/H cylinder to exhaust gaskets with

Continental P/N 636465 and exhaust to turbo gasket with Continental

P/N 652458. Engine compression check cold with ATS 2E-M60 with

1 CM SB 05-3 calibrated orifice #1 75/80 #2 77/80 #3 78/80 #4 79/80

#3 5/3/80 #6 1/8/80. 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 WORK IS IN A **WORKING** condition and is approved for

return to service on this date.

Grant J. Farmer

A&P 2836880 1A

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

AIRWORTHY CONDITION on this date.

Signed _____

Grant J. Farmer

A&P #2836880 1A

DATE _____

TOTAL TIME
IN SERVICE

HOURS

10THS

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

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 1A

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

Hobbs Time: 1112.2

Total Time 1112.2

Run 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.

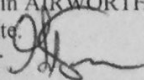
Grant J. Farmer

A&P 2836880 1A

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

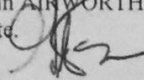
August 28, 2014 TSIO-550-C11 S/N 804067 T/N: N1133G
Hobbs Time: 1164.1 Total Time 1064.1

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


October 6, 2014 TSIO-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.

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. Run-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 C25ST5 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 recurring 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.

Signed 

Grant J. Farmer

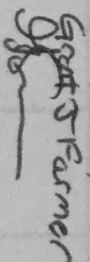
A&P #2836880 IA

FAA - PMA

This tag certifies that Sky-Tec Model No. C24ST5
Serial No. 4C5-411417 was manufactured new on 13 Oct 2014
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.skytecar.com/eligibility.htm
Starter Installed on N 1133G by 2836880 IA
(Aircraft)

(Aircraft)

(Mechanic)

 Grant J. Farmer

AUTHORIZED SIGNATURE _____

November 6, 2016

TSIO550C-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 S1D97-4C and new Continental piston rings P/N 654710P010 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/seal were replaced with PMA new replacements. Starter drive adapter was replaced with an overhauled unit from Aircraft Specialties W/O 239155. The L/H 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 J. Farmer

A&P 2836880 1A

November 6, 2016 TSIO550C-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 1A

[illegible]

Date Nov 6, 2016 Total Time In Service 1237.8
Tachometer Time 1237.8
Airworthiness Directives checked thru Nov 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.
Signed [Signature] A&P #2836880 IA

Date Nov 6, 2016 Total Time in Service 1297.8

Tachometer Time 1287.8

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.

Signed _____

Grant J. Farmer

A&P #2836880 1A

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