

ENGINE LOG  
EF5-1

Closed 12/1/24 Book 1 of

# ENGINE DESCRIPTION

MANUFACTURER CONTINENTAL MODEL T0-520-BB

SERIAL NUMBER 578336 DATE OF MANUFACTURE \_\_\_\_\_

RATED BHP \_\_\_\_\_ RPM \_\_\_\_\_ MANIFOLD PRESSURE \_\_\_\_\_

FUEL REQUIRED OCTANE/PERFORMANCE \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

REGISTERED OWNER \_\_\_\_\_

STREET & NO. \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3-8-88	22.4 HRS	CHANGED OIL & FILTER. SERVICED WITH AEROSHELL 100 MINERAL OIL. CLEANED ENGINE, TEST RAN; NO LEAKS. AD. 88-03-06 N/A TO EQUIPMENT INSTALLED. <i>Jack Warren</i>
		FEDERAL AVIATION ADMINISTRATION AIRCRAFT SERVICE CENTER AEP 58545029

MODEL <u>F33A</u>	<b>BEECHCRAFT WEST</b>	DATE <u>May 3, 1988</u>
S/N <u>CE-1218</u>	7240 HAYVENHURST AVE. VAN NUYS, CALIFORNIA	W.O. # <u>0834</u>
REG. NO. <u>N3108N</u>	F.A.A. APPROVED REPAIR STATION NO. 4095	HOBBS <u>50.1</u>
ENG. MOD. <u>I0-520-BB</u>	<b>ENGINE LOGBOOK INSERT</b>	TACH <u>50.1</u>
ENG. S/N <u>578336</u>		CYCLES _____

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

DATE 5/3/88 SIGNED *Robert*

1. Changed oil and oil filter. Serviced with Aero Shell 15W-50 oil and installed Champion CH48109 oil filter.

END

# INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
ED	2/17/89	TACH: 165.8	CHANGED OIL & FILTER SERVICED WITH 12 QTS.
ELL	TTAF	165.8	Aeroshell 15-50 OIL. COMPRESSION RESULTS: #1-74,
	TTE :	165.8	#2-71, #3-76, #4-70, #5-76, #6-70. CLEANED, GAPPED, TESTED,
	TT PROP :	165.8	& ROTATED ALL SPARK PLUGS. CLEANED INDUCTION FILTER, CLEANED
	TSMolt :	N/A	FUEL SCREENS. ADJUSTED IDLE RPM TO 715. GROUND TRAW
	PROPTSMolt	N/A	ENGINE TO CHECK OPERATION & TO LOOK FOR LEAKS, DISCRETON
2	CRANKCASE DUE:	12-89	OK, NO LEAKS.
TH	PITOT STATIC DUE:	1-90	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
2	EST DUE	9-90	IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS
	INDUCTION FILTER DUE:	TMA 500	DETERMINED TO BE IN AN AIRWORTHY CONDITION.
	VACUUM FILTERS DUE	665.8 / 2/90	<i>Steve Hazen</i>
	500 HR MAG INSP DUE:	500	STEVE HAZEN A#P569213319 1A
	300 HR NOZZEL CLEANING	300	300
			AIRCRAFT-LITE 1701 W. 5th Street Oxnard, CA 93030
			BEECH AUTHORIZED SERVICE CENTER
UD			

# AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN

A.D./BULL. | ITEM | DATE

## INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6-22-88	71.8 TACH	CHANGED OIL AND FILTER, REPLACED WITH CH48109 FILTER AND 12 QTS AEROSHELL 15-50 WT OIL.

*David A. Wether*  
AP294685698

**BEECH AUTHORIZED SERVICE CENTER**

8-26-88	97.3 TACH	COMPLIED WITH 100 HR INSPECTION PROCEDURES. CHANGED OIL & FILTER, REPLACED WITH 12 QTS AEROSHELL 15-50 WT AND CH48109 FILTER
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*David A. Wether*  
AP294685698

**BEECH AUTHORIZED SERVICE CENTER**

AERO-FLITE  
1701 W. 5th Street  
Oxnard, CA 93030

12-9-88	TACH 140.1	REMOVED AND REPLACE EGT PROBE WITH NEW OF SAME TYPE. GROUND TEST RAN WITH SATISFACTORY RESULTS
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*Don Essick*  
APP 552314271

# INSPECTION & MAINTENANCE RECORD

A.I. NO.	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	5-3-89	TACH 210	DRAINED OIL FROM ENGINE RENNED AND REPLACED OIL FILTER WITH NEW CN48109 SERVICED ENGINE WITH 12 QUARTS 15W-50 AERO-SHELL OIL. GROUND RAN AIRCRAFT LOOKED FOR LEAKS AND NONE WERE FOUND. DOD ESSICK A&P 552314271
	<b>AERO-FLITE</b> 1701 W. 5th Street Oxnard, CA 93030		<b>BEECH AUTHORIZED SERVICE CENTER</b>
	8-16-89	TACH 249.4	CHANGED OIL & FILTER. SERVICED WITH 12 QTS AEROSHELL 15W-50. WASHED AND RAN ENGINE WITH SATISFACTORY RESULTS. <del>STEVE HAZEN</del>
	<b>AERO-FLITE</b> 1701 W. 5th Street Oxnard, CA 93030		STEVE HAZEN A&P 569213319 <b>BEECH AUTHORIZED SERVICE CENTER</b>

# INSPECTION & MAINTENANCE RECORD

	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
NEO 109 0	2/13/90		CHANGED OIL & FILTER. SERVICED WITH 12 QTS
	TACH	304	AEROSHELL UNICO. CLEANED, GAPPED, TESTED, & ROTATED ALL
	TTAF	304	SPARK PLUGS. COMPRESSION RESULTS: #1-68, #2-73, #3-67
	TTENG	304	#4-72, #5-69, #6-74. WASHED & RAN ENGINE WITH
	ENG SMOH	N/A	SATISFACTORY RESULTS.
			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
			<i>Steve Hansen</i>
QES			STEVE HANSEN AWP 269213319 1A
		TACH	
	MAY 25	344.5	CHANGED OIL & OIL FILTER, SERVICED WITH 12 QTS
19	90		AEROSHELL (5W) 50 OIL, INSTALLED OIL FILTER PIN CH 48109. LEAK OK O.K.
			<i>F. ALHANNAWI AWP 603147650</i>

# INSPECTION & MAINTENANCE RECORD

A. DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12-4-90	TACH 394	CHANGED OIL & FILTER. SERVICED WITH 12 QTS AEROSHELL 15W50 OIL. WASHED & RAN ENGINE WITH SATISFACTORY RESULTS <i>Steve Hazen</i> STEVE HAZEN AIP 569213319
3-1-91		
TACH	440	CHANGED OIL & FILTER. SERVICED WITH 12 QTS AEROSHELL 15W50
TTAF	440	COMPRESSION: #1-74, #2-68, #3-58, #4-67, #5-74, #6-68 CLEANED,
TTENG	440	GAPED, TESTED, & ROTATED ALL PLUGS REPLACED INDUCTION FILTER, CLEANED
TT PROP	440	FUEL SCREENS. REMOVED FUEL INJECTION NOZZLES, CLEANED & REINSTALLED.
ENBSMOH	N/A	REPLACED FRONT CRANKSHAFT SEAL. REPLACED ALL ROCKER BOX GASKETS.
OROPSMOH	N/A	WASHED & RAN ENGINE WITH SATISFACTORY RESULTS.
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE
		WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE
		IN AN AIRWORTHY CONDITION. <i>Steve Hazen</i>
		STEVE HAZEN 569213319 IA

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3/17/92		CHANGED OIL & FILTER. SERVICED WITH 12 QTS
TACH	482	ARZSITELL 15W50. COMPRESSION - #1-74, #2-70, #3-60
T+ ENG	482	#4-71, #5-68, #6-63. CLEANED, GAPPED, TESTED, & ROTATED
339		ALL PLOGS. REMOVED & DISASSEMBLED BOTH MAGS REPLACED
		POINTS, CONDENSERS, DIST. BLOCKS, AND RIBBES IN BOTH
W50		MAGS. INSTALLED & TIMED MAGS. WASHED & RAN ENGINE
		WITH SATISFACTORY RESULTS.
		I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
		IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS
		DETERMINED TO BE IN AN AIRWORTHY CONDITION.
		<i>Steve Hazen</i>
		Steve Hazen A & P 569213319 I.A.

# INSPECTION & MAINTENANCE RECORD


INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE TOTAL TIME

DATE	04-10-93	<b>OXNARD</b>	1701 W. FIFTH ST.	<b>* HIGH</b>
TACH	515	<b>AIRCRAFT</b>	OXNARD, CA. 93030	<b>QUALITY</b>
TTAF		<b>SERVICE</b>	(805) 382-1415	<b>MAINTENANCE *</b>
			(805) 984-9106*fax	
TTENG	515	<p><b>C/W ANNUAL inspection. Changed oil &amp; filter. Serviced with 12 qts. Aeroshell 15w50 oil. Compression: #1- 70, #2-70, #3-63, #4-69, #5-67, #6-66. Cleaned, gapped, tested, &amp; rotated all plugs. Tightened spring clamps on right muffler. Adjusted idle mixture &amp; RPM. Washed &amp; ran engine, no leaks, operation normal.</b></p> <p style="text-align: center;"><i>Steve Hazen</i></p> <p style="text-align: center;"><b>Steve Hazen</b> A &amp; P 569213319 I.A.</p>		
TTPROP:				
ENGSMOH	N/A			
PROPSMOH				
ELTBATTERY				
PITOT/STATIC				
TRANSPDR				

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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<b>DATE</b>	05-20-94	<b><i>OXNARD</i></b>	1701 W. FIFTH ST.	<b><i>* HIGH</i></b>
<b>TACH</b>	541	<b><i>AIRCRAFT</i></b>	OXNARD, CA. 93030	<b><i>QUALITY</i></b>
<b>TTAF</b>		<b><i>SERVICE</i></b>	(805) 382-1415	<b><i>MAINTENANCE *</i></b>
<b>TTENG</b>	541	<p>Changed oil and filter. Serviced with 12 QTS Aeroshell 15w50 oil. Cleaned, gapped, tested and rotated all plugs. Compression: #1- 64, #2- 70, #3- 62, #4- 80, #5- 64, #6- 75. Serviced paper induction air filter element. Timed magnetos to engine.</p>		
<b>TTPROP:</b>		<p>Wash and ran engine, no leaks, operation normal.</p>		
<b>ENGSMOH</b>	N/A	<p>C/W annaul inspection.</p>		
<b>PROPSMOH</b>		 <b>Steve Hazen</b> <b>A &amp; P 569213319 I.A.</b>		
<b>ELTBATTERY</b>				
<b>PITOT/STATIC</b>				
<b>TRANSPNDR</b>				

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE                      TOTAL TIME


DATE	04-07-05	<p><b>OXNARD</b> <b>AIRCRAFT</b> <b>SERVICE</b></p> <p>1701 W. FIFTH ST. OXNARD, CA. 93030 (805) 382-1415 (805) 984-9106*fax</p> <p><b>"HIGH QUALITY MAINTENANCE"</b></p> <p>Changed oil and filter. Serviced with 12 QTS Aeroshell 15w50 oil.</p> <p>Wash and ran engine, no leaks, operation normal.</p> <p style="color: blue; font-family: cursive;">W. J. Jones A/P# 471901073</p>
TACH	558	
TTAF		
TEENG		
TTPROP.		
ENGSMOH		
PROP. SMOH		

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

DATE	06-06-95	<b><i>OXNARD</i></b>	1701 W. FIFTH ST.	<b><i>* HIGH</i></b>
TACH	560	<b><i>AIRCRAFT</i></b>	OXNARD, CA. 93030	<b><i>QUALITY</i></b>
TTAF		<b><i>SERVICE</i></b>	(805) 382-1415	<b><i>MAINTENANCE *</i></b>
TTENG	560	Cleaned induction air filter element. Cleaned fuel screens. Cleaned, gapped, tested and rotated all plugs. Compression results: #1- 58(rings), #2- 60(rings), #3- 55(rings), #4- 85, #5- 80(rings), #6- 85. Checked magneto timing to engine. Secured various wires in engine compartment.		
TTPROP:				
ENGSMDH	N/A	Wash and ran engine, no leaks, operation normal.		
PROPSMDH		C/W annual inspection.		
ELT BATTERY		 Steve Hazen A & P 569213319 I.A.		
PITOT/STATIC				
TRANSPDR				

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

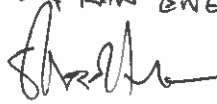
DATE	06-10-08	<b>OXNARD AIRCRAFT SERVICE</b>	1701 W. FIFTH ST. OXNARD, CA. 93030 (805) 382-1415 (805) 984-9106 fax	<b>" HIGH QUALITY MAINTENANCE "</b>
TACH	573			
TTAF				
TTENG	573	Changed oil and filter. Serviced with 12 QTS AeroShell 15w60 oil. Cleaned induction air filter element. Cleaned fuel screens. Checked magneto timing. Cleaned, gapped, tested and rotated all spark plugs. Compression results: #1- 60, #2- 58, #3- 58, #4- 68, #5- 50, #6- 64, (all cylinders were leaking past the piston rings). Replaced rubber protectors on fuel injection lines for cylinders #1, #3, and #5.  Wash and ran engine, no leaks, operation normal.  C/W annual inspection.		
TTPROP:				
ENGSMOH	N/A			
PROPSMOH				
ELTBATTERY				
PITOT/STATIC				
TRANSPDR				
		Troy F. Jonas A&P#-471901073IA. N uroy R. Jonas		

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

DATE	10-7-97	<b>OXNARD AIRCRAFT SERVICE</b>	1701 W. FIFTH ST. OXNARD, CA. 93030 (805) 382-1415 (805) 984-9106*fax	<b>"HIGH QUALITY MAINTENANCE"</b>
TACH	588			
TTAF		CHANGES OIL & FILTER. SERVICES WITH 12 QUARTS. ARACHELL 15W50 OIL. COMPRESSION RESULTS: #1-64 (R), #2-60 (R), #3-50 (R), #4-66 (R), #5-50 (R), #6-65 (R). CLEANED, GAPPED, TESTED, & ROTATED ALL PLUGS. REPLACED ALL FLUID FLEX HOSES IN ENGINE COMPARTMENT. C/W AN ANNUAL.  WASHED & RAN ENGINE, OPERATION NORMAL, NO LEAKS.  <div style="text-align: center;">                       Steve Hazen                      A &amp; P 569213319 I.A.                 </div>		
TTENG	588			
TTPROP:				
ENGSMDH	N/A 588			
PROPSMDH				
ELT BATTERY				
PITOT/STATIC				
TRANSPNDR				

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

*Screaming Eagle* AVIATION, INC.  
SANTA PAULA, CALIFORNIA (805) 525-7121

N3108N

DATE: 10/05/98

TACH: 609.3

TTIS: 609.3

Completed top overhaul this date. Installed Teledyne Continental Kit #EQ6941. Kit included: 6 cylinder assemblies P/N 654961A1 dated 08/98, 6 pistons P/N 648045, 6 piston pins P/N 630046, 6 ring sets P/N 654716, 6 rocker arm shafts P/N 652984. Engine assembled per Continental Overhaul Manual using all new gaskets, including starter o-ring and alternator, oil cooler, prop governor, and dipstick tube gaskets. Cleaned injectors. Replaced spark plugs, one CHT probe and 2 EGT probes. Installed new oil filter and 13 qts. Aeroshell 100 non-detergent oil. Engine broken in per Continental S/B M89-7, Revision 1.

  
Darrel Monteith A&P 343423210 IA

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

*Screaming Eagle*  
AVIATION, INC.  
SANTA PAULA, CALIFORNIA (805) 525-7121

N3108N      DATE: 10/05/98      TACH: 611.3      TTIS: 611.3

Changed oil and filter. Engine serviced with 12 qts. Aeroshell 100 non-detergent oil.

  
Darrel Monteith A&P 343423210IA

*Screaming Eagle*  
AVIATION, INC.  
SANTA PAULA, CALIFORNIA (805) 525-7121

N3108N      DATE: 10/05/98      TACH: 613.8      TTIS: 613.8

Changed filter. Filter cut open, no metal found.

  
Darrel Monteith A&P 343423210 IA

MODEL F33A  
S/N CE 1218  
REG. NO. N3108N  
ENG. MOD. IO 520 BB  
ENG. S/N 578336

## Raytheon Aircraft Services

7240 HAYVENHURST AVE.  
VAN NUYS, CALIFORNIA

F.A.A. APPROVED REPAIR STATION NO. CNZ2924C

### ENGINE LOGBOOK INSERT

DATE 10/29/98  
W.O. # 17393  
HOBBS. 615.2  
TACH \_\_\_\_\_  
ENG. CY. \_\_\_\_\_

POSITION \_\_\_\_\_

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK ACCOMPLISHED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

DATE 10/29/98 SIGNED *Anthony Ast* ANTHONY AST

1. I certify that this engine has been inspected in accordance with an **ANNUAL** Inspection per BEECH Inspection form #98-32227H and was determined to be in an airworthy condition. Aircraft Total Time: 615.2 Hours. Engine Total Time: 615.2 Hours. **SEE BACK OF LOGBOOKS FOR AD LISTING.**
2. Comparator #1 76/80, #2 72/80, #3 76/80, #4 74/80, #5 72/80, #6 72/80.
3. Changed oil and filter. Serviced with Aeroshell 100 oil.
4. Accomplished oil analysis.
5. C/W AD 98-01-08 Para. (a) Replacement of exhaust rocker arms installed per STC. Rocker arms not installed per STC SE8594SW, no further action required.
6. Replaced #6 cylinder top spark plug P/N RHB32E with new.

----- END -----



# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE: 03/07/2002  
MODEL IO 520-BB  
HR. METER: N/A  
E..T.S.N.: 896.1

MAKE: CONTINENTAL  
S/N 578336  
TACH: 896.1  
E.T.S.O.: N/A

Comp. Check 1- 66/80, 2- 66/80, 3- 70/80 4- 70/80 5- 68/80 6- 74/80. Comp check performed using calibrated bleed comp. tester. Changed oil, & filter. Insp. Removed Filter for metal contamination, none found. Checked ignition timing. I certify that this engine has been insp. IAW an 100 Hr. insp. And is approved for return to service. END



Ronald L. Oberholtzer  
AP 1363423IA



# INSPECTION & MAINTENANCE RECORD

DATE


TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N: CE-1218 1988 BEECH F33A BONANZA 15 APRIL 2004  
TACH: 954.0 HOURS ETT: 954.0 HOURS TCM IO-520BB S/N: 578336

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT/RAYTHEON 100 HOUR/ANNUAL INSPECTION MANUAL. COMPRESSION TEST RESULTS: 1: 64/80; 2: 54/80; 3: 66/80; 4: 72/80; 5: 62/80; 6: 68/80. TEST ORIFICE: 41/80 PSI. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS IN OLD FILTER. SERVICED WITH 11 QUARTS AEROSHELL W100 PLUS OIL. REPLACED 1 SPARK PLUG. ALL AD'S COMPLIED WITH, SEE AD LOG. GROUND RUN AND FLIGHT TEST GOOD. THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT/RAYTHEON 100 HOUR/ANNUAL INSPECTION MANUAL AND DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.



-----DONALD J JENULIS AP 123300572 IA-----

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

Make/Model TCM IO-520-BB

Serial No 578336

Time 849.4



Reg. No. N3108N

Date 02/02/01

## Log Book Entry

COMPLIED WITH A 100 HOUR INSPECTION. COMPLIED WITH COMPRESSION CHECKS ON ALL CYLINDERS AS FOLLOWS: 1) 70/80, 2) 65/80, 3) 65/80, 4) 63/80, 5) 68/80, 6) 65/80. COMPLIED WITH TCM AD 93-16-15 BY INCORPORATION OF SB M93-9R1 AND INSTALLED NEW SHAFT P/N 653359 AND GASKET P/N 649982. COMPLIED WITH OIL AND FILTER CHANGE. CUT OPEN FILTER AND INSPECTED FOR CONTAMINATION. NONE NOTED AT THIS TIME. INSTALLED NEW FILTER P/N CH48109 AND SERVICED WITH 12 QTS AEROSHELL 15W50. CLEANED AND GAPPED ALL SPARK PLUGS. OPERATIONAL CHECKS COMPLETE. ALL WORK ACCOMPLISHED I/A/W B 33F, TCM IO-520-BB MAINTENANCE MANUALS AND IS APPROVED TO RETURN TO SERVICE. END

Work Order 16888

Authorized Signature 

F.A.A. Certified Repair Station WD4R618M

**Banyan Air Service** 1575 W. Commercial Blvd. Ft. Lauderdale, Fla 33309 954-491-3170 Fax 954-491-1612

NOTE: ENTRY OUT OF POSITION

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 958.4 HOURS ACTT: 958.4 HOURS  
16 JUNE 2005 TCM IO-520BB S/N: 578336 ETT: 958.4 HOURS

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT/RAYTHEON 100 HOUR/ANNUAL INSPECTION MANUAL. PERFORMED COMPRESSION TEST: 1: 58/80; 2: 44\*/80; 3: 60/80; 4: 60/80; 5: 58/80; 6: 60/80. TEST ORIFICE: 44/80 PSI. \*LEAKAGE PAST RINGS. BORESCOPE INSPECTED CYLINDERS. NO ABNORMAL VALVE DISCOLORATION OR CYLINDER WALL SCORING NOTED. MODERATE CYLINDER WALL PITTING NOTED. APPROVED FOR RETURN TO SERVICE IN ACCORDANCE WITH TCM SB 97-3. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 11 QUARTS AEROSHELL W100 PLUS OIL. GROUND RUN AND FLIGHT TEST GOOD. VERIFIED COMPLIANCE WITH AD 2004-08-10 ECI CYLINDER RECALL - N/A. ALL AD'S COMPLIED WITH, SEE AD LOG. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEECHCRAFT/ RAYTHEON 100 HOUR/ANNUAL INSPECTION MANUAL AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

  
DONALD J JENULIS AP 123300572 IA

# INSPECTION & MAINTENANCE RECORD

TE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 959.3 HOURS ACTT: 959.3 HOURS  
 26 JULY 2006 TCM IO-520BB S/N: 578336 ETT: 959.3 HOURS

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEEHCRAFT/RAYTHEON 100 HOUR/ANNUAL INSPECTION MANUAL. PERFORMED COMPRESSION TEST: 1: 60/80; 2: \*/80; 3: 66/80; 4: 64/80; 5: 56/80; 6: 64/80. TEST ORIFICE: 44/80 PSI. \*REMOVED AND REINSTALLED #2 CYLINDER FOR OVERHAUL, SEE FORM 8130-3 FROM TROPIC AIRPOWER, INC. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 11 QUARTS AEROSHELL MINERAL OIL. GROUND AND FLIGHT CYLINDER BREAK-IN PROCEDURES PERFORMED IN ACCORDANCE WITH TCM SB 87-9. ADJUSTED IDLE MIXTURE. TIGHTENED VALVE COVER SCREWS AND OIL FITTINGS AS REQUIRED. ALL AD'S COMPLIED WITH, SEE AD LOG. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEEHCRAFT/ RAYTHEON 100 HOUR/ANNUAL INSPECTION MANUAL AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

*Fausto E Garcia*

FAUSTO E GARCIA AP 2727148 IA



# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 1015.5 HOURS ACTT: 1019.41 HOURS  
TCM IO-520BB S/N: 578336 ETT: 1019.41 HOURS 5 SEPTEMBER 2008

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT 100 HOUR/ANNUAL INSPECTION MANUAL. PERFORMED COMPRESSION TEST: 1: 65/80; 2: 70/80; 3: 64/80; 4: 60/80; 5: 58/80; 6: 58/80. TEST ORIFICE: 42/80 PSI. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 10 QUARTS AEROSHELL W100 PLUS OIL. BORESCOPED ENGINE. NO ABNORMAL VALVE DISCOLORATION OR CYLINDER WALL SCORING. APPROVED FOR RETURN TO SERVICE IN ACCORDANCE WITH TCM SB 03-03. REMOVED AND REINSTALLED ENGINE-DRIVEN FUEL PUMP, SEE MAINTENANCE RELEASE FROM RLB ACCESSORY SERVICE. PERFORMED TCM 97-3 TO CALIBRATE FUEL PRESSURES. ADJUSTED MAX RPM FUEL PRESSURE. ALL AD'S COMPLIED WITH, SEE AD LOG. GROUND RUN GOOD. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEECHCRAFT HOUR/ANNUAL INSPECTION MANUAL AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

*Fausto E Garcia*  
FAUSTO E GARCIA AP 2727148 IA

# MAINTENANCE RELEASE

DATE

UNIT NAME

Fuel Pump

SERIAL NO.

J08713B

PART NO.

646212-16

MFG.:

TCM

OVERHAUL     REPAIRED     TESTED     INSPECTED     FUNCTIONAL TESTED

The Aircraft component identified above was repaired and/or 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 repair are on file at this repair station under work order # 8450.

OWNER:

WINDWARD AV

DATE: 8-27-08

SIGNED FOR:

R. L. Babbitt

## R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221

FAA Approved repair station # KB2R946K

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 1029.6 HOURS ACTT: 1033.51 HOURS  
TCM IO-520BB S/N: 578336 ETT: 1033.51 HOURS  
9 OCTOBER 2009

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT 100 HOUR/ANNUAL INSPECTION MANUAL. PERFORMED COMPRESSION TEST: 1: 66/80; 2: 64/80; 3: 68/80; 4: 60/80; 5: 67/80; 6: 64/80. TEST ORIFICE: 44/80 PSI. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 10 QUARTS AEROSHELL W100 PLUS OIL. BORESCOPED ENGINE. NO ABNORMAL VALVE DISCOLORATION OR CYLINDER WALL SCORING. APPROVED FOR RETURN TO SERVICE IN ACCORDANCE WITH TCM SB 03-03. REPLACED ONE SPAKPLUG. REPLACED TWO FUEL INJECTORS. ADJUSTED IDLE MIXTURE. ALL AD'S COMPLIED WITH, SEE AD LOG. GROUND RUN GOOD. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEECHCRAFT HOUR/ANNUAL INSPECTION MANUAL AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

*Fausto E Garcia*

FAUSTO E GARCIA AP 2727148 IA

# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 1041.6 HOURS ACTT: 1045.51 HOURS  
TCM IO-520BB S/N: 578336 ETT: 1045.51 HOURS  
3 NOVEMBER 2010

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT 100 HOUR/ANNUAL INSPECTION MANUAL AND FAR 43 APPENDIX D. PERFORMED COMPRESSION TEST: 1: 64/80; 2: 54/80; 3: 58\*/80; 4: 56/80; 5: 55/80; 6: 62/80. TEST ORIFICE: 44/80 PSI. \* LEAKAGE PAST RINGS. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 10 QUARTS AEROSHELL W100 PLUS OIL. BORESCOPED ENGINE. NO ABNORMAL VALVE DISCOLORATION OR CYLINDER WALL SCORING. APPROVED FOR RETURN TO SERVICE IN ACCORDNACE WITH TCM SB 03-03. ADJUSTED IDLE MIXTURE AND RPM. VERIFIED COMPLIANCE WITH AD 2010-11-04 TCM LIFTER REPLACEMENT - N/A BY DOM. ALL AD'S COMPLIED WITH, SEE AD LOG. GROUND AND FLIGHT TESTS GOOD. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEECHCRAFT HOUR/ANNUAL INSPECTION MANUAL AND FAR 43 APPENDIX D AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

*Fausto E Garcia*

FAUSTO E GARCIA AP 2727148 IA-----

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# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 1053.7 HOURS ACTT: 1057.61 HOURS  
TCM IO-520BB S/N: 578336 ETT: 1057.61 HOURS  
17 DECEMBER 2011

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT 100 HOUR/ANNUAL INSPECTION MANUAL AND FAR 43 APPENDIX D. PERFORMED COMPRESSION TEST: 1: 63/80; 2: 64/80; 3: 64/80; 4: 63/80; 5: \*/80; 6: 64/80. TEST ORIFICE: 44/80 PSI. \* REMOVED AND REINSTALLED #5 CYLINDER FOR REPAIR, SEE FORM 8130-3 FROM CERTIFIED ENGINES UNLIMITED. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 10 QUARTS AEROSHELL 100 MINERAL OIL. BORESCOPED ENGINE. NO ABNORMAL VALVE DISCOLORATION OR CYLINDER WALL SCORING ON OTHER CYLINDERS. APPROVED FOR RETURN TO SERVICE IN ACCORDANCE WITH TCM SB 03-03. ADJUSTED IDLE MIXTURE. REPOSITIONED LEFT IGNITION HARNESSES AS REQUIRED. REPLACED ONE LEFT SIDE INTERCYLINDER BAFFLE. PERFORMED GROUND AND FLIGHT CYLINDER BREAK-IN PROCEDURE IN ACCORDANCE WITH TCM SB 89-7. ALL AD'S COMPLIED WITH, SEE AD LOG. GROUND AND FLIGHT TESTS GOOD. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEECHCRAFT HOUR/ANNUAL INSPECTION MANUAL AND FAR 43 APPENDIX D AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

  
-----ROBERT S PRIMMER AP 324746066 IA-----

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

**WINDWARD AVIATION**  
**2615 Lantana Road, Ste K/Hangar 805**  
**Lantana, FL 33462 561-966-8668**

N3108N S/N : CE-1218 1988 BEECH F33A BONANZA TACH: 1069.5 HOURS ACTT: 1073.41 HOURS  
TCM IO-520BB S/N: 578336 ETT: 1073.41 HOURS  
1 FEBRUARY 2013

THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A BEECHCRAFT 100 HOUR/ANNUAL INSPECTION MANUAL AND FAR 43 APPENDIX D. PERFORMED COMPRESSION TEST: 1: 66/80; 2: 63/80; 3: 58/80; 4: 46/80; 5: 70/80; 6: 53/80. TEST ORIFICE: 43/80 PSI. LEAKAGE PAST RINGS AND EXHAUST(#4 AND #6). BORESCOPED CYLINDERS IN ACCORDANCE WITH TCM SB 03-03. NO ABNORMAL VALVE DISCOLORATION OR CYLINDER WALL SCORING. APPROVED FOR RETURN TO SERVICE. DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER, NO ABNORMAL DEBRIS FOUND IN OLD FILTER. SERVICED WITH 10 QUARTS AEROSHELL W100 PLUS OIL. VERIFIED COMPLIANCE WITH AD 2012-03-06 AVSTAR FUEL SERVO - N/A. ALL AD'S COMPLIED WITH, SEE AD LOG. GROUND AND FLIGHT TEST GOOD. THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A BEECHCRAFT HOUR/ANNUAL INSPECTION MANUAL AND FAR 43 APPENDIX D AND IS DETERMINED TO BE IN AIRWORTHY CONDITION AS OF THIS DATE.

-----FAUSTO E GARCIA AP 2727148 IA-----

*Fausto E Garcia*

# INSPECTION & MAINTENANCE RECORD

DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

# ASSC



*Aviation Specialty Services Corp.*

Tel: 954-816-7399 Fax: 954-792-2516 [afmohamed@hotmail.com](mailto:afmohamed@hotmail.com)

**08-21-13 N3108N BEECH F33A S/N: CE-1218 TACH: 1,070.3**

**CONT: IO-520-BB S/N: 578336**

**ENGINE:**

Performed differential compression test cold with Master Orifice. Master Orifice reading 47/80. Reading were #1: 60/80, #2: 0/80, #3: 64/80, #4: 60/80, #5: 68/80 & #6: 62/80. #2 cylinder failed cold compression test. Ground run and retested. #2 cylinder hot tested 69/80psi. Changed oil and filter. Replaced filter element P/n: CH48109-1 and serviced with 12qts of AeroShell W-100 Plus oil. Cut open old filter element and visually inspected O.K. Ground run and leak tested O.K. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

  
Ameer F. Mohamed  
AP3270645



# INSPECTION & MAINTENANCE RECORD

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

DATE

TOTAL  
TIME

DATE 08 January, 2015

A/C TSN: 1080.11

ENG TT: 1080.11

TSMOH:

TACH: 1076.2

ENGINE MODEL  
ENGINE S/N  
REG. NO: N3108N  
WORK ORDER: 8387



## Windward Aviation

2633 Lantana Road  
Suite 1/Hangar 1301/1401  
Lantana, FL 33462  
Phone: 561-966-8668

### Engine Entries

- 1 DRAINED OIL AND OBTAINED SAMPLE. REPLACED OIL FILTER. NO ABNORMAL DEBRIS FOUND IN FILTER. SERVICED WITH 10 QUARTS AEROSHELL 15W50 OIL.

### Maintenance Release

The aircraft and/or component(s) described above on N3108N was(were) repaired and inspected in accordance with current Federal Aviation Regulations(FAR) and the manufacturer's maintenance manual(s), was ground tested and is approved for return to service. Pertinent details of the repair(s) are on file at this maintenance facility under Work Order No. 8387, Dated 08 January, 2015.

DATE: 08 January, 2015

SIGNED:

JEGUS FRANCISCO PIJUAN, IA. 3515712

Work Order: 8387

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ENGINE MODEL  
ENGINE S/N  
REG. NO. N3108N  
WORK ORDER: 8404



## Windward Aviation

2633 Lantana Road  
Suite 1/Hangar 1301/1401  
Lantana, FL 33462  
Phone: 561-966-8668

DATE: 11 March, 2015

A/C TSN: 1083.91

ENG TT: 1083.91

TSMOH:

TACH: 1080

### Engine Entries

- 8 COMPLIED WITH CMI CSB08-03 - REPLACED THROTTLE AND MIXTURE ARMS WITH STEEL TYPE.

### Maintenance Release

The aircraft and/or component(s) described above on N3108N was(were) repaired and inspected in accordance with current Federal Aviation Regulations(FAR) and the manufacturer's maintenance manual(s), was flight tested and is approved for return to service. Pertinent details of the repair(s) are on file at this maintenance facility under Work Order No. 8404, Dated 11 March, 2015.

DATE: 11 March, 2015

SIGNED:

MARISA SMITH LEACH, IA. 3082170

Work Order: 8404

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Flying Leaf Aviation LCC 2222 Pilots View Rd HBI Asheboro NC (336) 626-3600

DATE	REG #	TACH	TTAF	ELT Due	TTE	SMOH	TTP	PSMOH	XPOND Due
25Aug16	N3108N	1108.3	1112.21	May2022	1112.21		1112.21	20.5	6-2017

Performed Annual Inspection using FAR 43, Appendix "D". All routine lube and servicing performed. Oil and filter changed. Engine serviced with 100 Mineral and AA48109 filter. Compressions 1)52 2)58 3)65 4)X 5)66 6)52 /80 hot, minimum of 44 for the day. Cylinder #4 reinstalled after repair by Pine Mountain Aviation on their WO# 2249 dated 8-2-2016. See yellow tag attached. Replaced fuel control screen gasket. Engine washed, ground run, leak and systems check satisfactory.

AD 2016-16-12 ECI cylinders not installed

All AD's current. See master AD list at appropriate section. I certify this engine has been inspected in accordance with an Annual Inspection and is in airworthy condition.

Louis J. Pugliese, Jr.  
A&P31646171A

Flying Leaf Aviation LCC 2222 Pilots View Rd HBI Asheboro NC (336) 626-3600

DATE	REG #	TACH	TTAF	ELT Due	TTE	SMOH	TTP	PSMOH	XPOND Due
12Nov16	N3108N	1120							

Reinstalled #1 cylinder after repair by PMA, P41508881, under their WO# 2300, dated 11/8/2016. See yellow tag attached. Engine ground run, leak and ops check satisfactory.

Louis J. Pugliese Jr.  
A&P 3164617

Handwritten notes on yellow tag: 10/27/16, HBI, etc.

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
3/13/17	Tach; 1146.7 Total time 1150.61	N3108N Engine

Drain oil , inspect filter. Service with 7qts Phillips 20w50 and AA48109 filter. Clean , gap and rotate spark plugs. Retime both magnetos to 22 BTC.  
Compression reads; 1)74 2)56 3)54 4)58 5)70 6)52 mo=44

The aircraft and/or component 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 station under Service Order No. 61818 Dated: 3-13-17

FAA Approved Repair Station No. B2ER144J  
Boshart Enterprises and Aircraft Services, Inc.  
Genesee County Airport Batavia, N.Y. 14020

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED  
IN ACCORDANCE WITH Annual TYPE INSPECTION  
AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.


A.D. SUMMARY TO 17-05 CHECKED.  
OPERATIONAL CHECK SATISFACTORY.

SIGNATURE: [Signature]  
FOR REPAIR STATION B2ER144J  
TOTAL TIME: 1150.61 TACH: 1146.7  
DATE OF INSPECTION: 3/13/17






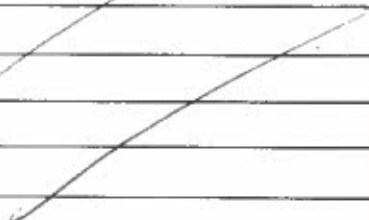
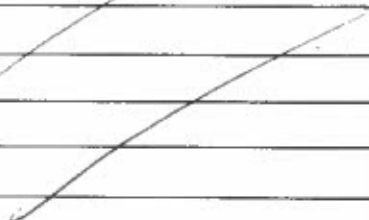
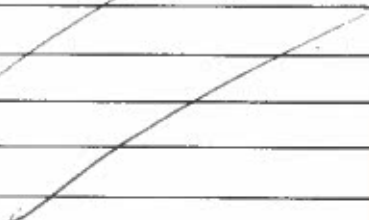
# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5/19/2017	TTE 1200.71 Tech time 50.1	Drain oil, inspect filter (no metal), Service with 10 gts Phillips 20w50 & CH48109 Filter. Run up & leak check Satisfactory <span style="float: right;">S. Cohen</span>
10/1/17	TTE 1238.41 Tech 57.8	Drain oil, cut filter (no metal), Service with 10gts, Phillips 20/50 & CH48109 Filter. Run up & leak check satisfactory. <span style="float: right;">S. Cohen</span>
12/9/17	TTE 1265.81 Tech 115.2	Drain oil, cut filter. Service with 10 gts, Phillips 20/50 & CH48109 Filter. Run up / leak check satisfactory. <span style="float: right;">S. Cohen</span>

## INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		7/18
3/10/2018	N3108N	Cotinental IO 520-BB S.N. 578336 Engine 1 Logbook
	ENGINE TT 1269.51	
		Completed annual inspection in accordance with manufacturers inspection procedures manual. And FAR 43 appendix (D)
		Installed new exhaust stack on ride side P.N. A35-950005-39M
		Installed superior Air Parts Inc. Cylinders on #3, #1, #4 positions P.N. SA52006-A20P
		Installed stud, locking s.s. With cap ring #5 cylinder position.
		Compression #1 64/80 #3 <sup>1/15</sup> #5 64/80 #2 <sup>1/15</sup> #4 68/80 #6 <sup>1/14</sup>
		Serviced engine with eleven quarts of Phillips oil. And installed filter CH 48109-1
		AD 16-16-12 NA
		I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.
		Signed <u>Bernard Ford</u>
		Bernard Ford A+P 1821972 I. A.
		
		<b>Delaware Aviation, LLC</b> PO Box 235 Sidney, New York 13838
2/26/18	Tech 129.1	Drained oil, replaced with 10 qts phill. 66 Tykem
	TE 1279.71	No leaks. @ S. Cohen

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/26/18	Tach 139.1	Drained oil, replaced with philips 20/50 (10qts) & 1602s
	TTE 1289.71	Camber. Replaced oil filter CH48109-1. Run up & leak check satisfactory.
		(S. Cohen)
	11/02/18, Tach 153.0 hrs, TT SMOH 1303.61hrs.	
	Install GAMI kit #GAD13AA fuel injector nozzles s/n 27772 as per	
	STC SE0927SC. No weight or balance change.	
	Stanley D Edwards AP 1887968	
	Signed....	
		
		
		
		
		
		
		
		

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/26/18	Tach 139.1	Drained oil, replaced with Phillips 20/50 (10qts) @ 16025
	TTE 1289.71	Conduard. Replaced oil filter CH48109-1. Run up & leak check satisfactory.

*(S. Cohen)*

11/02/18, Tach 153.0 hrs, TT SMOH 1303.61hrs.  
 Install GAMI kit #GAD13AA fuel injector nozzles s/n 27772 as per  
 STC SE0927SC. No weight or balance change.  
 Stanley D Edwards AP 1887968  
 Signed....

*Stanley D Edwards*

U.S. ARMY

# Goodrich Aviation Development Services LLC

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

Date: 2/21/19	Reg: N3108N	Type: F33A	Total Time: 1319.51	Tach Time: 168.9	Eng TSOH: 1319.51
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DA

## MAINTENANCE ITEMS PERFORMED:

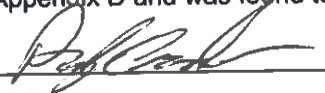
1. Compression test #1 66, #2 66, #3 67, #4 66, #5 60, #6 56/80psi. Master orifice 47/80psi.
2. Changed oil and filter using ten quarts Phillips XC 20W-50 oil, CamGuard, and a CH48109-1 filter. Inspected oil filter for contamination, none found. Ops check good. Performed oil analysis and borescope inspection.
3. Installed overhauled flow divider, P/N 631427-2A9. Performed fuel system setup IAW CMI SID97-3G. Ops check good.
4. Timed mags to 22 degrees BTDC.
5. McCauley ASB273 does not apply to the installed governor.

## AIRWORTHINESS DIRECTIVES COMPLIED WITH:

1. None

I certify that this engine has 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

# Goodrich Aviation Development Services LLC

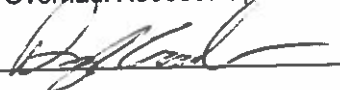
Greater Binghamton Airport 607-821-2982 www.GoodrichAviation.com

Date: 3/22/19	Reg: N3108N	Type: F33A	Total Time:	Tach Time: 173.0
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## MAINTENANCE ITEMS PERFORMED:

1. Removed and replaced starter drive adapter with overhauled unit by Aircraft Accessories of Oklahoma (SO19-530), P/N 64208A12, IAW CMI Overhaul X30039. Ops check good.
2. Installed new oil filter, P/N CH48109-1.

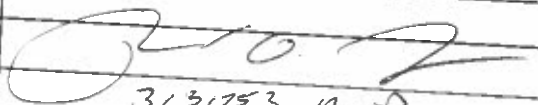
Douglas Goodrich



AP3460684

# INSPECTION & MAINTENANCE RECORD

(CM)

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
5/25/19	TSMON 1346.01 Tech 195.4	Oil Change / Filter Change - 10 qts Shell's XC 20/50 + Congard 1 pt. replaced filter with Tennant AA 48109. Cut filter. washed mag. leak check ok. Returned to Service  S. Cohen
7/21/19	TT Tech 229.3	Oil Change / Filter Change 10 qts Shell's XC 20/50 48109 Tennant filter, Congard NO oil contamination, Leak ✓ & ops ✓ good.  S. Cohen, Avtech Plot 3TTM526
9/22/19	TACH 239.4 6310	REPAIRED LEFT MAGNETO WITH KELLY AEROSPACE OVERHAUL MAGNETO SERIAL # H-06030 REPLACED RIGHT MAGNETO WITH KELLY AEROSPACE SERIAL # H-06124 MODEL 6310 OVERTHROLED MAGNETO. SET TIMING TO 22° BTDL   3131753 (A+P)

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
10/30/19	256.4	Oil Change/Filter Change, 10 qts Phillips XC 20/50
	with Tire	+ Comguard 1 pint, replaced filter A348109
	TTE 1407.01	Leak check OK, returned to Service
		S (aka 3774526)

## Goodrich Aviation Development Services LLC

Greater Binghamton Airport 607-821-2982 [www.GoodrichAviation.com](http://www.GoodrichAviation.com)

Date: 3/13/2020	Reg: N3108N	Type: F33A	Total Time: 1408.71
Tach Time: 258.1		Eng TSOH: 1408.71	

### MAINTENANCE ITEMS PERFORMED:

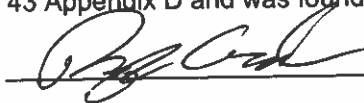
1. Compression test #172, #2 66, #3 76, #4 66, #5 66, #6 64/80psi. Master orifice 47/80psi.
2. Changed oil and filter using 12 quarts Phillips XC 20W-50 oil and an AA48109 filter. Inspected oil filter for contamination, none found. Ops check good. Performed a borescope inspection.
3. Installed new left and right muffler units, P/Ns A701-19-I and A701-20-I. Ops check good.

### AIRWORTHINESS DIRECTIVES COMPLIED WITH:

1. None

I certify that this engine has 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

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# INSPECTION & MAINTENANCE RECORD

Engine (TCM)

Reg #: N3108N  
AC S/N: CE-1218  
ENG M/N: IO-520-BB

Make: Beechcraft  
ACTT: 1476.8  
ENG S/N: 578336

Model: F33A  
Hobbs: NA  
SNEW: 1476.81

Tach: 326.2  
Tach: 326.2

- 1: Inspect IAW an annual inspection as detailed in 14 CFR part 43 Appendix D & the manufacturers inspection procedure.
- 2: Inspection checklist on file in aircraft maintenance records
- 3: Engine washed down
- 4: Compression check: #1-68, #2-68, #3-65, #4-68, #5-61, #6-67/80. Master orifice 45/80. IAW TCM SB03-3
- 5: Borescope satisfactory IAW TCM SB03-3
- 6: Spark plugs cleaned, gapped and tested satisfactory.
- 7: Replace oil with 10 qts Philips XC20-50, Camguard & filter with Tempest AA48109. Filter opened and inspection satisfactory
- 8: Magneto timing checked OK at 22° BTDC.
- 9: Engine run satisfactory, no leaks detected.
- 10 AD's checked & CW thru Tdata biweekly 2022-18. Detailed summary on file in aircraft maintenance records.

All work performed IAW current FAA regulations and current manufacturers technical data.

I certify that this engine has been inspected IAW an ANNUAL inspection and is in airworthy condition at this time.

Signature:

*Daryl H. Nankart*

A&P: 3646401 IA

Date: 8/7/2022

04/03	T.I. Inc 339	1 Changed oil, replaced with 10 qts Philips XC20-50 + Camguard.
	<del>1489</del> 1489	2) Snow. Tempest 48109 filter. Old filter cut, no debris.
	2	Eng. M washed, tech check OK @ Scott Cohen

TCM)

N3108N AIV

AD # Effective	Subject	Method of Compliance	R
88-17-03 08/10/1988	STARTER ADAPTER SHAFTGEAR/	N/A	
91-19-03 09/29/1991	CHAMPION OIL FILTER/	N/A	
93-08-17 08/23/1993	INCORRECT OIL PICK-UP TUBE/	N/A	
93-10-02 05/17/1993	CYLINDER VALVE RETAINER/	N/A by S/N	
93-16-15 09/27/1993	FUEL PUMPS/	PCW	
95-21-15 11/28/1995	ENGINE TEARDOWN AND ANALYTICAL INSPECT./	N/A	
97-26-17 01/23/1998	CORRECTION - CRANKSHAFT FATIGUE CRACKS/	N/A by S/N	
98-17-11 10/19/1998	CRANKSHAFTS/	N/A Not Installed	

2022

23

(CM)

Reg #: N3108N  
AC S/N: CE-1218  
ENG M/N: IO-520-BB

Make: Beechcraft  
ACTT: 1490  
ENG S/N: 578336

Model: F33A  
Hobbs: NA  
SNEW: 1490

Tach: 339.4  
Tach: 339.4

- 1: Inspect IAW an annual inspection as detailed in 14 CFR part 43 Appendix D & the manufacturers inspection procedure.
- 2: Inspection checklist on file in aircraft maintenance records
- 3: Engine washed down
- 4: Compression check: #1-70, #2-61, #3-75, #4-64, #5-60, #6-70/80. Master orifice 44/80. IAW TCM SB03-3
- 5: Borescope satisfactory IAW TCM SB03-3
- 6: Spark plugs cleaned, gapped, tested satisfactory and rotated
- 7: Magneto timing checked OK at 22° BTDC.
- 8: Check all hardware for tightness
- 9: Engine run satisfactory, no leaks detected.
- 10 AD's checked & CW thru Tdata biweekly 2023-18. Detailed summary on file in aircraft maintenance records.

All work performed IAW current FAA regulations and current manufacturers technical data.  
I certify that this engine has been inspected IAW an ANNUAL inspection and is in airworthy condition at this time.

Signature: *Don LP Marchant*

A&P: 3646401 IA

Date: 9/9/2023

7/21/24 1509 SAA  
h SNEW

Change oil, filter.  
 10pts filter, xc du-50 + (conserve)  
 TCM 48109 F. 1hr, cut old filter, found a few  
 tiny non-magnetic shiny metal flecks. Sent oil  
 for analysis + flxels. Engine wash / run up ok

*S. Cohen*

# INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>10/3/2024 N3108N Tach 364.9 Engine TT 1515.5 IO 520 BB eng s/n 578336</p> <p>Inspect engine IAW 100 hr inspection. Compression Ck....#1 70. #2 70. #3 71. #4 72 #5 64. #6 72. Master orifice 43/80. Borescope all cylinder, changed oil with 20/50 XC With cam guard, cut open filter and found flecks of Aluminum and sent paper element to Blackstone and Final report was not enough to suggest a mechanical Problem. Cleaned, gapped, rotated plugs. Checked Mag timing. Engine run up satisfactory. This engine has been inspected IAW a 100hr inspection and has been found to be in airworthy condition. Stanley D Edwards AP 1887965</p> <p style="text-align: center;"><i>Stanley D Edwards</i> AP 1887965</p>
		<p>I certify that this Aircraft Engine has been inspected in accordance with a <u>Visual</u> inspection and was determined to be in airworthy condition. Date <u>10/2/24</u> Time <u>TT 1515.5</u></p> <p style="text-align: center;"><i>[Signature]</i> A&amp;P Technician Edward L. Brown 8854052 FA</p>

# INSPECTION & MAINTENANCE RECORD

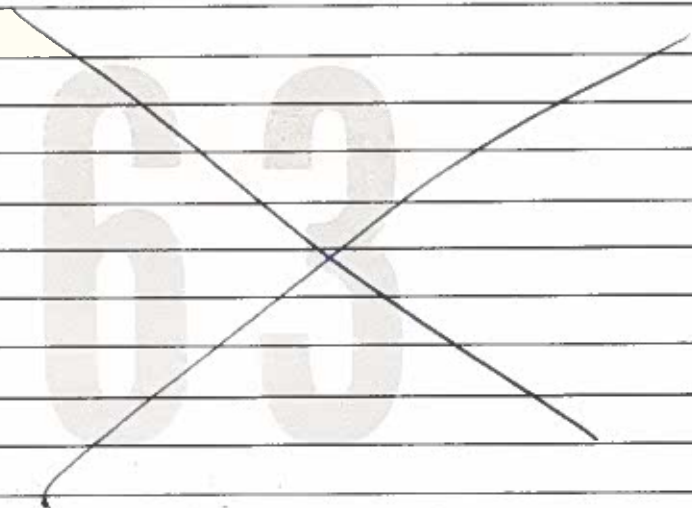
DATE

TOTAL  
TIME

INSPECTION OR MAINTENANCE PERFORMED  
AGENCY & CERTIFICATE NO.

(TCM)

Book Closed 12/1/24





Date: 11-1-25

N#: N3108N

Tach: 377.4

TT: 1528.0

Drained and changed oil using Phillips 20W-50 and a Tempest filter.

Removed all spark plugs cleaned and gapped and performed a compression test. Checked and lubed all engine controls and inspected exhaust system. Ran up and leak checked. Checked and complied with all AD's to date (see AD sheets). I certify that this **Engine** was inspected IAW a 100 hour/annual inspection and found to be in a condition for safe flight.

1)70 2)64 3)72 4)68 5)62 6)76

Scotty Hall

IA 2722407