

<b>ENGI</b>	NE	DES	CRI	PT	ION
LINUI		$\nu$ L $_{\rm J}$			

	MANUFACTURER	Ly come	ng	MODEL _	T10-54	1-E1B4
	SERIAL NUMBER	L-622-5	90	ATE OF MANUFACTURE		
	RATED BHP		RPM		MANIFOLD PRESSURE	
ĺ	FUEL REQUIRED OCTAN	E/PERFORMANCE				
(	REGISTERED OWNER			·		
	STREET & NO					
1	CITY, STATE, ZIP					
1	REGISTERED OWNER				5,4	
1	STREET & NO					
6						
1						
		,				
	1					
0					·	

PDF compression, OCR, web optimization using a watermarked evaluation copy of CVISION PDFCompressor

LIFE	LIMITED	PARTS C	OR OVER	HAUL RE	EQUIREMEN	TS	AIRWORTHINESS DIREC				SS DIRECTIVE/FACTORY BULLETIN COMPLIANCE			CORE
F PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL.	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.	A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.	XIB
			1											
								AD COMP	PLIANCE I	LIST = TIO-541	-E1B4 S/N	L-622-59		
n +								2002-12-07	= CW IAW	MSB 543A, SU	PPLEMENT	1		
							1	97-15-11=1	N/A BY EN	GINE MODEL	& PISTON P/	N IAW MSB 52	7C	
								95-07-01=	N/A BY CC	NNECTING RO	DD BOLT P/N		TO 4 TO	
												N P/N IAW SB	501 B	
			ARE							GINE MODEL		7		
::07	10		Alleginal			107 H . E . M				WITH AT INJ		2.4	w.	- 110
								79-04-05=1	N/A BY EN	GINE MODEL	IAW MSB 43	SEDVODALIA	W MSD 420A	
												SERVO P/N IA	W WISB 430A	
								/3-23-01 K	4= N/A B Y N/A DW M.	ENGINE S/N IA	EI & D/VIIV. WW 2D 2011	W MSB 645, TA	RIF 1	
		L. A.							CW IAW C		EL & I/N IA V	W 1015D 045, 171.	DELE 1	
						*	A STATE OF THE STA			V MSB 644				
			n,							AGNETO MODI	ELIAW SB 6	23		
			T T						CW IAW S		EL III ( SE C.		8	
										AGNETO P/N I	AW 556B		191	
								7-1-20-07	1 1/1 1 1 2 1 1 1 1 1 1	101,2101,11			1/100 11	VIII I MAN W
								WORK O	RDER NO.	22112 DATE	. 7/705	SIGNED:	I Smell	-
								LV-CON I	REBUILDI	NG CO. (559) (			CATION CT3R435L	111100
								THE COILS		., 5 5 5 . (55)	1	i l		
				8										11 10
				100 100 10 10 10 10 10 10 10 10 10 10 10										
1														
				· · · · · · · · · · · · · · · · · · ·	-				1					

					COMPLIANCE RECORD	-	INSPECTION & MAINTENANCE RECORD			
ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.		
							WITH THE FOL	0-541-E1B4 S/N L-622-59 MAJOR ENGINE OVERHAUL IAW MANUAL # 60294-7-9 LLOWING PARTS INSTALLED; 1EA 77816-1 MOH GASKET SET, 1EA 1028 B		
4						4	BALL, 1EA LW-	-11138 SPRING, 1EA STD-737 KEY, 2EA STD-477 BOLT, 4EA 74876 BUSHING, BUSHING, 14EA 71903-A BUSHING, 2EA 71903-B BUSHING, 1EA 74856		
							4EA 74876-P10 - BREATHER 16F	EA 71907 PLATE, 16EA LW-14820 RING, 2EA 77386 ROLLER, 2EA 76042 ROLLER,		
							2EA 76043 ROI	LLER, 2EA 77385 ROLLER, 2EA 18B23142 BRG, 6EA 18E23138 BRG, 12EA		
				20.			18N19391 BRG,	1EA LW-12440 CAMSHAFT, 6EA 73772 NOZZLE, 12EA LW-15861 LIFTER, 4EA, 2EA STD-1732 RING, 1EA STD-737 KEY, 6EA LW-13923 BUSHING, 4EA STD-679		
							SCREW, IEA ST	TD-1800 RING. 1EA STD-1737 RING, 1EA 78034 GEAR, 2EA LW-25-0.63 BOLT,		
				ANY			- 1EA MS24665-37	72 PIN. 1EA 76970 IMPELLER, 1EA 76865 BODY, 1EA LW-13026 COVER, 1EA LW-		
							13022 VALVE, 1	EA 76824 OIL PUMP DRIVE, 2EA LW-25HO.75 BOLT, 1EA STD-761 PIN, 6EA LW INECTING ROD, 10EA SL12596 BOLT, 12EA LW-12186 NUT, 12EA LW-13339		
				137			- SHROUD TUBE	. 1EA 75087 SPRING. 2EA MS35489-19X GROMMET, 4EA LW-12136 CUSHION,		
				A			1EA 75749 LOC	CKPLATE. 1EA M2628 HARNESS, 12EA RHB32S IRIDIUM PLUG, 1EA 76542		
		han take thy alle han a state of the	Hell A	<u> </u>			SPRING, 3EA L	W-16266-25-63 CLAMP, 1EA LW-13037 TUBE, 2EA LW-16266-25-25 CLAMP, 3EA EA 73136 BRACKET, 1EA 76539 SEAT, 1EA 53E22144 VERNATHERM, 1EA 75689		
							HOSE 2EA 781	146 CLAMP, 1EA LW-11373 HOSE, 2EA AN737TW46 CLAMP, 1EA 06B23072		
			Ē				GASKET 1EA I	W-13346 HOUSING, 1EA STD-1006 RING, 1EA MS29513-015 O-RING, 1EA		
							LW-13344 PLUN HOSE JEA 624	NGER, 1EA 950004-4-0454 HOSE, 1EA 624000-4-0270 HOSE, 2EA 624000-6-0162 4040-6-0300 HOSE, 1EA 624040-8D-0234 HOSE, 1EA AE7010001G0112 HOSE, 1EA		
		- Mary Comment					-	, , , , , , , , , , , , , , , , , , , ,		
		and continue and			10 m	W S - 7	PAGE 1 OF 3	T DRIG (10 0221 Dec Avenue Vicelia CA 02201 (550) 655-1070		
						-	LY-CON REBUI	LDING CO. 8231 Doe Avenue Visalia, CA 93291 (559) 651-1079		
				***						
			1							
					g *					

	INSPECTION & MAINTENANCE RECORD
TE TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6EA 10-53397 WASHER, 2EA 400009 NAME 12EA 71549 W DAMPER, 1E IGR0112, 1EA 1EA MS25038 77551 WASTH COOLER S/N PERTINENT REBUILDING	REW, 2EA 10-349248, SLINGER, 2EA 10-400561 BRG, 2EA 10-400567 BALL BRG, WASHER, 1EA 10-382585 CONTACT, 2EA 10-125996 BUSHING, 2EA 10-16092 A 10-180046-28 SLEEVE, 2EA 10-349249 WASHER, 2EA 10-349328 WASHER, 2EA 10-58 PLATE, 6EA 05K21116 CYLINDER, 12EA SL72626A SHAFT, 12EA 76242 BUSHING, WASHER, 1EA77711 DAMPER, 1EA 77712 DAMPER, 1EA 77069 BA 149-24HT STARTER S/N F4M-230507, 1EA LW-13309 TURBOCHARGER S/N A 50-921560-17, G-6 FUEL PUMP S/N 20668, 1EA 2524275-16 SERVO S/N 26017/14, 3-4 TACH GENERATOR S/N 263902, 1EA LW-14297 CONTROLLER S/N KB0108, 1EA EGATE S/N OCR0104, 1EA 8907-001 ACCUMULATOR S/N 867369, 1EA 10046A OIL E89-5889-2. PORT POLISH AND FLOW BALANCE CYLINDERS. COMPLIED WITH A.D.'S & S.B.'S. TEST RUN 1½ HRS. ALL INFORMATION ON FILE AT LY-CON GCO. REFERENCE W.O. 22112 7/7/02nis aircraft. Engine, o. Component. Identify Acordance With Current Federal Aviation Administration Regulations and is Approved For Return To Service. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER WORK ORDER NO. 22/12 DATE 7-7-05 SIGNED DATE 7-7-05
	10-391213 SC 6EA 10-53397 WASHER, 2E, 400009 NAME 12EA 71549 W DAMPER, 1E IGR0112, 1EA 1EA MS25038 77551 WASTI COOLER S/N PERTINENT REBUILDING

PDF compression, OCR, web optimization using a watermarked evaluation copy of CVISION PDFCompressor

INSPECTION & MAINTENANCE RECORD	INSPECTION & MAINTENANCE RECORD				
TOTAL INSPECTION OR MAINTENANCE PERFORMED TIME AGENCY & CERTIFICATE NO.	DATE	TOTAL INSPECTION OR MAINTENANCE PERFORMED TIME AGENCY & CERTIFICATE NO.			
ro Structures, Inc CRS QRQR810L Ph 972-267-2376 S5 Frank Luke Drive Addison, TX 75001 Fax 972-267-2377		Jan. 20, 200 N4620A s/r ACTT 2470			
Beech A56TC  S/N- TG-88  ACTT- 2460.2  Lycoming  TIO-541  S/N- L-622-59  Hobbs - 7.4  SMOH- 7.4  Iled engine on airframe after O/H by Ly-Con W/O: 22112. All engine fluid carrying hoses have been replaced with new. Serviced ne with 13 quarts Aero Shell 100 plus. Installed Woodward prop governor after O/H by Byam Propeller W/O: 26661, P/N: 210456N, 875972. Installed new ignition leads to match new leads on R/H engine P/N: M2639L/H, M2630R/H. Tightened loose engine driven bump fittings. Installed new TIT probe P/N: Alcor 86159. Installed oil temp probe using new gasket P/N: 40S34. Installed engine neto noise filter P/N: A293. Installed STC # SA00120DE, Oilamatic Engine Preoilers M/N: 4100A, P/N: 720403-12, see form 337 d 3-7-2006 for more details on this installation. Ran engine, set idle mixture and idle per A56-TC SHOP MANUAL. Complied with a nour/annual inspection using FAR 43 appendix "D" checklist. All work done in accordance with the appropriate Beechcraft tenance manuals, 100hr/annual inspection guides, and the current rules of the Federal Aviation Regulations and is approved for 1 to service. Pertinent details are on file at this repair station under Work Order Number: 050323.  Matural A. Jamuan  Date: 6-10-2006  Sero Structures, Inc, CRS QRQR810L			illiams		
ero Structures, Inc CRS QRQR810L Ph 972-267-2376 65 Frank Luke Drive Addison, TX 75001 Fax 972-267-2377					
620A Beech A56TC S/N- TG-88 ACTT- 2461.5  I- Lycoming TIO-541 // S/N- L-622-59 Hobbs - 8.7 SMOH- 8.7  viced engine with 13 quarts Aero Shell 100 plus and CH48103-1 oil filter. Pertinent details are on file at this repair station under Work er Number: 060722.  Midual A. Sauma Date: 7-26-2006  Aero Structures, Inc, CRS QRQR810L					

PDF compression, OCR, web optimization using a watermarked evaluation copy of CVISION PDFCompressor

ELT BATT. DUE DATE: MARCH

## **INSPECTION & MAINTENANCE RECORD**

INSPECTION OR MAINTENANCE PERFORMED

AGENCY & CERTIFICATE NO.

 N4620A
 Beech A56TC
 S/N TG-88

 3/10/2008
 Hour Meter: 31.1
 A/C Total Time: 2483.9

 L/H Engine (Lycoming)
 TIO-541-E1B4
 S/N: L-622-59

 L/H Engine Log Entry
 Engine T.T. 2483.9
 TSMO: 31.1

TOTAL

TIME

DATE

Replaced all 6 Rocker Cover Gaskets with new P/N 76036 Gaskets; Replaced all Rocker Shaft Cover Gaskets with new P/n 66732 gaskets; Replaced all Pushrod Shroud Tube Seals P/n 70310 on #1, #2, #3 and #4 cylinders; Complied with Precision Emergency AD # 2008-06-51 Para. 1, and Para. (f) & (g) on Inspection of Brass Plug for looseness (no looseness noted!) It was also found that this servo was overhauled prior to August 22, 2006 which was when the defective gaskets became available for installation. This unit should not have an affected Plug gasket installed on it! Replaced Oil Cooler Assy. with Fresh Overhauled P/N LW10025 Cooler from Pacific Oil Cooler Service (CRS# RF3R813L) Ref. W/O #58668 Dated March 29, 2007. (See maintenance release). Engine was degreased, Ground run and leak ghecked. (Neg discrepancies were noted!)

Alfred J. Louque III
A&P 1943618

## **INSPECTION & MAINTENANCE RECORD** INSPECTION OR MAINTENANCE PERFORMED TOTAL AGENCY & CERTIFICATE NO. TIME N4620A Beech A56TC S/N TG-88 7/10/2008 Hour Meter: 42.4 A/C Total Time: 2495.2 L/H Engine (Lycoming) TIO-541-E1B4 S/N: L-622-59 L/H Engine Log Entry Engine T.T. 2495.2 TSMO: 42.4 Drained oil, Removed, cut open and inspected oil filter for contaminants( No metal or

Alfred J. Louque III

A&P 1943618

Drained oil, Removed, cut open and inspected oil filter for contaminants (No metal or contaminants noted!) Installed new oil filter assy., Reserviced engine with 13 Qts. Aeroshell 100 W Plus oil; Readjusted Oil Pressure from 68 PSI to 74 PSI; Inspected exhaust system for security and leaks (No discrepancies were noted!) Lubed Turbo waste gate with Mouse Milk; Removed Prop Spinner assy. and replaced De-Ice Boot strap Ty-Wraps at blade Shanks; Reinstalled and Resecured Spinner Assy.; Engine was ground run and leak checked okay.

N4620A BEECH A56TC 2/2/2009 HOUR METER: 57.2

Left Engine: Lycoming TIO-541-E1B4

Engine Total Time: 2510.0

S/N: TG-88 A/C TOTAL: 2510.0 S/N L-622-59

TSMO: 57.2

Alfred J. Louque III A & P 1943618

Completed 100 Hr. inspection I/A/W the scope & detail of appendix D of Part 43 & Beech 100 Hr. Checklist for the Beech A56TC. Warmed engine, drained oil, cut open oil filter & inspected for contaminants (No metal or contaminants noted); Installed new CH48103-1 oil filter; Removed, inspected, cleaned and reinstalled main lower sump screen assy; Reserviced engine with12 qts. Aeroshell W100 plus oil; Ran differential compression check (Hot); Compression checked as follows: #1 79/80 #2 79/80 #3 79/80 #4 79/80 #5 79/80 #6 79/80; Cleaned, regapped & tested all spark plugs; checked magneto to engine timing; Inspected exhaust system for condition & security; Retorqued all exhaust stack flanges @ cylinders; Lubed waste gate & exhaust stack slip joints with mouse milk; Inspected and cleaned air filter element; Inspected all engine controls for security; Readjusted alternator belt tension; Resecured any loose wiring & hoses as necessary; Washed down engine & controls.

FEB 0 2 2009 Total Time: 2570.0 - /Hobbs: 57.

BATT DUE DATE MAR

INSPECTION OR MAINTENANCE PERFORMED

AGENCY & CERTIFICATE NO.

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

N4620A 9/12/2009 L/H Engine (Lycoming) L/H Engine Log Entry

TOTAL

Beech A56TC Hour Meter: 86.4 TIO-541-E1B4

S/N TG-88 A/C Total Time: 2539.2 S/N: L-622-59

Engine T.T. 2539.2 TSMO: 86.4

Alfred J. Louque III A&P 1943618

Drained oil, Removed, cut open and inspected oil filter for contaminants (No metal or contaminants noted!) Installed new oil filter assy. Champion CH-48103-1, Reserviced engine with 13 Qts. Aeroshell 100 W Plus oil; Inspected exhaust system for security and leaks (No discrepancies were noted!) Lubed Turbo waste gate with Mouse Milk; Removed Prop Spinner Cap assy. and Serviced Prop dome charge with Nitrogen to 41 PSI. Serviced Prop Unfeathering Accumulator with Nitrogen to 105 PSI.; Engine was ground run and leak checked okay.

 N4620A
 Beech A56TC

 4/17/2010
 Hour Meter: 92.0

 L/H Engine (Lycoming)
 TIO-541-E1B4

TOTAL

DATE

L/H Engine Log Entry

Engine T.T. 2544.8

A/C Total Time: 2544.8 S/N: L-622-59 TSMO: 92.0

S/N TG-88

Completed 100 Hr. inspection I/A/W the Scope and Detail of Appendix D of Part 43 & Beech 100 Hr. Checklist for the A56TC. Warmed Engine, Drained oil, Removed, cut open and inspected oil filter for contaminants (No metal or contaminants noted!) Installed new oil filter assy. Champion CH-48103-1, Reserviced engine with 13 Qts. Aeroshell 100 W Plus Oil; Ran Differential Compression check (Hot). Compression checked as follows: #1 79/80 #2 78/80 #3 79/80 #4 78/80 #5 79/80 #6 79/80. Inspected exhaust system for security and leaks (No discrepancies were noted!) Lubed Turbo waste gate and all Exhaust slip joints with Mouse Milk; Removed Prop Spinner Cap assy. and Serviced dome charge with Nitrogen to 41 PSI. Serviced Prop Unfeathering Accumulator with Nitrogen to 105 PSI.; Inspected and lubed all Engine Controls; Washed down Engine and Cowling; Engine was ground run and leak checked okay.

Alfred J. Louque III
A&P 1943618

INSPECTION & MAINTENANCE RECORD			INSPECTION & MAINTENANCE	RECORD
TOTAL INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE	TOTAL TIME	INSPECTION OR MAINTE AGENCY & CERT	NANCE PERFORMED
I certify that this /engine has been inspected in accordance with a 100 hr/ inspection & is determined to be in an airworthy condition. Alfred J. Louque A&P1943618IA  ELT BATT. DUE DATE://////DATE ACCORDANCE A	N46 10/1 L/H L/H Dr New Con Rese Secu Gate Secu	520A 12/2010 1 Engine (Lyco 2 Engine Log E 1 rained Oil, Replay Unit; Remove 1 taminants Note 1 erviced engine ourity and Leaks 1 e, Linkages and	Beech A56TC Hour Meter: 113.6 TIO-541-E1B4 Engine T.T. 2566.4  laced Oil Drain Plug Gasket Lycoming P/N ed, Cut Open and Inspected Oil Filter for Oed!) Installed New Oil Filter Assy. (Champ with 13 Qts. Aeroshell W 100 Plus Oil; In !! (No Leaks or Discrepancies were Noted!) ! all Exhaust Slip Joints with Mouse Milk. Ition; Inspected and Lubed all Engine Contocked Okay.	S/N TG-88 A/C Total Time: 2566.4 S/N: L-622-59 TSMO: 113.6  N O6E19769-1.00 with Contaminants (No Metal or nion CH-48103-1), spected Exhaust System for ) Lubed Turbo Waste Inspected all Baffling for

INSPECT	TION & MAINTENANCE RI	ECORD		IN	SPECTION & MAINTENANCE RECORD
DATE TOTAL TIME	INSPECTION OR MAINTENANCE AGENCY & CERTIFICAT	E PERFORMED ATE NO.	DATE	TOTAL	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Checked Magneto to engine to checked as follows: #1 78/80 Inspected exhaust system for security Turbo waste gate and all Exhaust Engine Controls: Engine was	0//01//	d tested all Spark Plugs; sion check . Compression 78/80 #6 78/80. ies were noted! ) Lubed Inspected and lubed all		TIME	AGENCI & CENTIFICATE NO.
		The second secon	The Party of the P	ELINOTE DE MANAGEMENT DE LA CONTRACTION DE LA CO	