

ENGINE MAINTENANCE RECORDS

Log No.

UNI

Aircraft Registration No. N595TC.

Engine Manufacturer Lycoming

Model _TIO - 540 - AG1A

Serial No. _L - 9629-61A

Date installed on aircraft 8/8/95

Time Between Overhauls (TBO) 2,000 Hours

Arcraft: is single engine



DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WO SIGNATURE & CERTIFICATE OF I	
		sole znoli	TOTAL brought forward from prev	rious page
	alas i		Removed Data Plate S/N L-1259-X and	I Installed Data Plate L-9629-61A
	E TENE			les Eulacel
			Textro	es E. Ward on Lycoming
			Service	ce Engineer
	Compa on fi	rn to serv any work o ile at thi raft owner	d mixture control. This engin ice for work performed under C rder number M1280. A copy of s repair station and a copy ha	Commander Aircraft this work order is
	Sign		MANDER AIRCRAFT COMPANY REPAIR	STATION CMKR305K
	N#: 595TC		ATLANTIC AERO, INC.	DATE: 10/24/95
	SN#: 20005		Piedmont International Airport	W.O.#: 5014
	Model: 114TC Landings: N/A		Greensboro, North Carolina FAA APPROVED REPAIR STATION EWGR752D	Hobbs: 34.2 Total Time: 34.2
	P/N 6360 S/N 950	090014. Ran and o	95010002 and installed new magneto ops checked good. Leak checked good. ************ For Atlantic Aero	* * * * * * * * * * * * * * * * * * *
		SUB - TOT	AL this page	TOT - BUS
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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE OF PERSON PERFORMING	3 WORK
		apida shoke	TOTAL brought forward from previous page	PUDE
A18-E	HUNR	epair Statio 846E	GALVIN FLYING 2-7-%	
	no defects i	noted.Run up a is approved for DATE: 2-GALVIN FLE 6987 PERINGENERAL SEATTLE.	erviced with Aeroshell 15-50wt.Inspection of old filter and leak checks performed.All work performed on work for return to service. 7-96 SIGNATURE: State of the service o	
	FAA ROHUNR	epair Statio 846E	GALVIN - FLYING	
	CELECIS IDLE	DATE: 1-8- GALVIN FLYING 6987 PERIMETE BEATTLE, WAS	ER ROAD SOUTH	
		SUB - TOTA	AL this page	

* Page No. _ TOTAL TOTAL TACH OR TIME RECORDING TIME DESCRIPTION OF WORK PERFORMED-DATE SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHALIL TIME TOTALS brought forward from previous page **FAA Repair Station HUNR846E** N595IC Hobbs 99.6 removed and replaced the voltage regulator with P/N VR515G S/N 2050975, operational check of system ok. All work performed on work order 10999 is approved for return to service. DATE: 3->1-96 GALVIN FLYING SERVICE INC. 6987 PERIMETER ROAD SOUTH SEATTLE, WA 98108 REPAIR STATION NO. HUNR 846E **Commander Aircraft Company** FAA Certified Repair Station CMKR305K 7200 N.W. 63rd St., Bethany, OK 73008 Telephone (405) 495-8080 FAX (405) 495-8383 S/N L-9629-61A MODEL TIO-540-AG1A N595TC REG# TTAF 186.6 DATE 7-10-96 M1351 W/O SMOH Changed engine oil and filter serviced with 10qt aeroshell 15w 50, adjusted density controler, replaced 6ea lower spark plugs. This engine is returned to service for work preformed under Commander Aircraft Company work order number M1351 Signed:_ For Commander Aircraft Company Repair Station CMKR305K **FAA Repair Station HUNR846E** N595TC 8-16-96 Hobbs 255.1 Changed oil, Aeroshell 15W50. Inspected old oil filter and

DATE 8-16-96 SIGNATURE SUTTLE PROPERTY OF SIGNATURE SUTTLE SUTTLE

installed new filter. Run-up, leak and ops checks all OK. All work performed

on work order 12034 is approved for return to service.

age No. TOTAL TOTAL TACH OR RECORDING METER TIME TIME DESCRIPTION OF WORK PERFORMED-DATE IN SINCE SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TOTALS brought forward from previous page Commander A rcraft Company FAA Certified Repair Station CMKR305K 7200 N.W. 63rd St., Bethany, OK 73008 Telephone (405) 495-8080 FAX (405) 495-8383 Engine L-9629-61A TIO-540-AGIA REG# MODEL DATE 08-28-96 TTAF 262.7 SMOH ----- W/O Performed 100 Hour Inspection in accordance with Commander 114TC guidelines. Changed engine oil and filter, serviced with 10 quarts Aeroshell 15W50. Complied with AD 93-02-05 inspection of fuel injector lines; complied with Lycoming SB 518C inspection of thermostatic bypass valve not applicable by serial number. This engine has been inspected in accordance with an 100 Hour Inspection and is approved for return to service for work performed under Commander Aircraft Company work order number M1370. A copy of this work order is on file at this repair station and a copy has been given to the aircraft owner. SIGNED: FOR COMMANDER AIRCRAFT COMPANY REPAIR STATION CMKR 305K. SONOMA AVIATION MAINTENANCE 2240 Airport Blvd. CHANGE OIL + FILTER Santa Rosa, CA 95403 + CH48110 FIL I certify that this (alroraft) (engine) has been INSPECT FILTER: NO METAL 50 HR inspection and was determined be in airworthy ATP. 556724712 Total Time WO# TOP GUN AVIATION 9 TOTAL 556900292 TOTALS—Carry forward to next page

	DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
V	3		2 6	System Co	TOTALS brought forward from previous page
	Cont	7		368.1	Redund mays to Engine. Replaced
			-		washegate Assy, with New washer
					R& Red Tunbo pasy for Buch
		\			thech. Chested do. Retrotalled
	21				Tunbo. Clw DO 93-02-05 ful INJ.
	44				him & Clamp Tusp. Gad Row & Flt.
	811311				ops Cheshed cdr. All Applicable
	Lifeti			-	Ab's Than 97-17 checked
					REG: N595TC LYC TIO-540-AG1A SN: L-9629-61A. HOBBS: 412.3 T.T: 412.3 DATE: 10/2/98. 1. C/W ANNUAL INSPECTION I.A.W. COMMANDER MAINT. MANUAL 2. COMP. CYL #1) 68/80 2)71/80 3)70/80 4)71/80 5)70/80 6)73/80. 3. C/W OIL & FILTER CHANGE. SERVICED ENG. W/ 9 QTS. A/S100w50, NEW FILTER PN. CH48110. 4. RETORQUED ALL CASE & SUMP NUTS & BOLTS.
كنت	سع				I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED I.A. W. AN ANNUAL INSPECTION. AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. AND IS APPROVED FOR RETURN TO SERVICE.
					MAX BUCHER A&P 569595217 IA.
					MAXAIR AVIATION 16231 WATERMAN DR. VAN NUYS, CA. 91406 (818) 901-7098 (818) 901-7099 FAX.
					REG: N595TC B3D32C419-C SN: 951157. HOBBS: 433.8 DATE: 12/30/98.
					I. INSTALL NEWLY OVERHAULED TURBOCHARGER P/N466011-9002 S/NBK02905
	24.10.1		7.5		JAVIER MALVAEZ A&P568554158
			8 5		MAXAIR AVIATION
		S.HS			16231 WATERMAN DR. VAN NUYS, CA. 91406
		4 -0	18		(818) 908-7098 (818) 901-7099 FAX
J.					SUB-TOTALS this page
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
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at A/o	S	ورسرته	05 3		3
2	Luck		Mer	REG: N595TC COMMANDER 114TC SN: 20005. HOBBS: 464.4 DATE: 7/16/99.	4
	to the solver	149 00 14 L	1.C/W OIL& FILTER CHANGE, SERVICED ENG. W/9QTS. A/S15W/50, NEW FILTER PN. CH48110.		
07	12.7	10-8 20-8	123a	JAVIER MALVAEZA&P 568554158 MAXAIR AVIATION.	
#17	STATE I	Section E	92 L	16231 WATERMAN DR. VAN NUUYS, CA. 91406. (818) 901-7098 (818) 901-7099 FAX.	-
	ولندوانا	granda alter	Trees	Self-Color and a restrict to the final and the first to t	\dashv
				REG: N595TCLYC TIO-540-AG1ASN: L-9629-61A HOBBS. 483, 1T. T: 483, 1DATE: 11/04/99 1. C/W ANNUAL INSPECTION LA. W. COMMANDER MAINT. MANUAL 2. COMP CYL.#1) 78/80 2)78/80 3)75/80 4)77/80 5)79/80 6)77/80 3. 3C/WOIL & FILTER CHANGE. SERVICED ENG. W/10 QTS. A/S15w/50 & INSTALL NEW OIL FILTER P/N CH48110 4. INSTALL NEW INDUCTION FILTER P/N 615045-1 5. C/W COMMANDER SERVICE BULLETIN #SB-114-33 BY INSTALL—ING NEW CLAMP BETWEEN TURO CHARGER & EXHAUST PIPE. CLAMP V-BAND EXHAUST P/N 40D21162-340(M) 6. INSTALL NEW INDUCTION CLAMP AT TURBO CHARGER. CLAMP P/N MS535842-15 7. C/W AD 93-02-05 BY VISUAL INSPECTION 8. C/W AD 84-26-02 BY INSTALLATION OF INDUCTION FILTER P/N 615045-1 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED LA.W. AN ANNUAL INSPECTION AND WS DETERMINEDTO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE LARRY EUERHELM A& P573866271 IA MAXAIR AVIATION 16231 WATERMAN DR. VAN NUYS, CA. 91406 (818) 901-7098 (818) 901-7099 FAX	
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		1316			
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. CONTROL REF. NO. BKO26905	WORK ORDER, CONTRACT OR INVOICE NO. 00044641	CH NO. 2. STATUS/WORK	S905 NEWLY OVERHAULED	CAUTION: CONSULT ENGINE AND/OR AIRFRAME MANUFACTURE'S SERVICE LITERATURE FOR PROPER APPLICATION AND INSTALLATION INFORMATION. IF PART NUMBER OF REPLACEMENT PART'S DIFFERS FROM THAT OF PART REMOVED, SERVICE LITERATURE SHOULD VERIFY THAT REPLACEMENT PART AND INSTALLATION ARE CORRECT.		ITH FAR 43.9	CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 13 (OR ATTACHED) ABOVE WAS CARRIED OUT IN ACCORDANCE WITH FAA AIRWORTHINESS REGULATIONS AND IN RESPECT TO THE WORK PERFORMED THE PART(S) IS (ARE) APPROVED FOR SERVICE.	21. CERTIFICATE NUMBER: R/S # LVHR795K	22. NAME (Typed or Printed): 23. DATE:
ř.	% 0	. SERIAL/BATCH NO.	BKO26905	NGINE AND/OR AIRF SR APPLICATION AN ENT PARTS DIFFERS ERIFY THAT REPLAC	CUSTOMER P/N: 46C19836	19. RETURN TO SERVICE IN ACCORDANCE WITH FAR 43.9	S SPECIFIED IN BLOC NCE WITH FAA AIRW JFORMED THE PART	SNATURE:	rinted): TH
3	nc.	10. QTY. 11.	1	CONSULT ENTRE FOR PROPERTY OF REPLACEM	CUSTOMER	TO SERVICE II	AT THE WORK I'N ACCORDAI THE WORK PER	AUTHORIZED, SIGNATURE:	NAME (Typed or Printed): S.B. SMITH
PROVAL TA	NG SYSTEMS I	ELIGIBILITY*	VARIOUS	CAUTION LITERATU NUMBER LITERATU CORRECT		ze new. 19. RETURN 7		20. AUTH	22. NAME
2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	ALLIEDSIGNAL, Automotive., TURBOCHARGING SYSTEMS Inc. 3201 W. LOMITA BLVD. TORRANCE. CA 90505	PART NO. 9.	466011-9002 V	ENTS.	0128 or 0129.	g total time/total cycles/time sinc	PT AS OTHERWISE SPECIFIE WITH FAA APPROVED PUIREMENTS OF THE	16. FAA AUTHORIZATION NO.	
AIF	ALLIEDSIGNAL, Automo 3201 W. LOMITA BLVD TORRANCE, CA 90505	8. PAR	4660	NEW COMPONI	MANUAL TP20-0	ce history includin	D ABOVE, EXCE I ACCORDANCE TIONS. HE SPECIAL REQ	16. FAA	18. DATE:
		DESCRIPTION	TURBOCHARGER	. REMARKS: UNIT ASSEMBLED WITH OVERHAULED AND NEW COMPONENTS. DATE OF COMPLETION: $11-18-98$ Work performed by: $\cancel{\mathbb{Z}}\mathcal{D} + \cancel{Q}_{\cancel{3}}$	ASSEMBLY INSTRUCTIONS PER OVERHAUL MANUAL TP20-0128 or	A. NEW NEW INTERNATION OF A STATE	CERTIFIES THAT THE NEW PART(S) IDENTIFIED ABOVE, EXCEPT AS OTHERWISE SPECIFIED N BLOCK 13 WAS (WERE) MANUFACTURED IN ACCORDANCE WITH FAA APPROVED DESIGN DATA AND AIRWORTHINESS REGULATIONS. NOTE: IN CASE OF PARTS TO BE EXPORTED, THE SPECIAL REQUIREMENTS OF THE MPORTING COUNTRY HAVE BEEN MET.	RE:	NAME (Typed or Printed):
UNITED STATES	ORGANIZATION:	. ITEM 7.	1 TUR	3. REMARKS: UNIT ASSEMBLE DATE OF COMPI	. ASSEMBLY INST	imited life parts mus 4. NEW	ERTIFIES THAT T N BLOCK 13 WAS (DESIGN DATA ANI IOTE: IN CASE OF MPORTING COUN	IS. SIGNATURE:	17. NAME (Ty

User/Installer Responsibilities

national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer work in accordance with the accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents. maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

	DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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	11-25-00	5/7,3	517,3	5/7.3	RAR Oil filter, services with
		April 1		3	Exp. 20 w 50 00 Aspless, CH48110
			i Harri	the setting	cleaned & Gappel Play's RAR
					Rocker gaver goskets, RAR Turbo
	42.		J. Artili		oil inlet gosket
					11-25-00 & College ASP 545118388
					If it is the mountain probability is to be the first
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	18-11 VO				
	1-25-00	5/7.3	517.3	517.3	I CERTIFY THAT THIS TAGING HAS BEEN
900	The same	I I			INSPECTION AND WAS DETERMINED TO BE IN
					NAME 2 CONDITION. NO ASP 545118388 JA
					DATE 11-25-00 TACH TIME 5/7.3
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			10.00		
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
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No.	O as we	100	N. 18	REG#: N595TC MAKE: COMMANDER 114TC SER#: 20005 Date: 02-11-2002 TACH:: 552	534 = 5
9/13/	KD (33	1969.	10,02	This engine has been inspected in accordance with annual inspection checklist and was determined to be in airworthy condition.	
	7	7(44)	7000	Changed oil and filter, serviced with 11 qts of oil. R&R air induction filter P/N 615045-1.	
		7	(0.24 C 2.2	R&R cranckshaft seal. R&R all heater skat hoses. R&R #2,#4 and #6 valve cover gaskets P/N TL75906.	
	15/54	101	600	R&R prop "O" ring P/N LW-13792. R&R all hoses. Repaired magneto harness leads.	
				Cleaned waste gate and check for proper ops.	
				JIM OCHWATT IA545118388	
				REG#: N595TC MAKE: COMMANDER 114TC SER#: 20005 Date: 02-11-2002 TACH:: 552	
	N Park	A March	Ses X so	C/W magneto 500 Hr inspection IAW Unison manual Section 3.3.	4
	Tax es	OT (CHAR)	Figure 8/19	R&R contact points P/N M-3081 (2ea).	dyn
T. S.	3,823.5	779,00	100		
		La_Swift	DAI		
				JIM OCHWATT IA545118388	
		74)		JIM OCHVATT IASISTICAS	
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43640 San Francisco Ave. Lancaster, California. 93535 661 886 2277 661 946 6651 Home 240 757 8645 Fax

Engine Log: N595TC Tach and total time: 573.4 Date: 4-10-2003

- Annual inspection:
 - Test run engin until worm, Operation checked good, Remove spark plugs and perform compression test. #1 72/80, #2 64/80, #3 74/80, #4 76/80, #5 75/80, #6 72/80. Spark plugs service, gapped and spark tested and Aircraft Spark Plug Service Co. Reinstall and torque spark plugs.
- Remove, Inspect and clean fuel screen.
- Adjust left magneto timing to be synchronized with right magneto at 20 degree specification.
- Drain engine oil, Replace oil filter CH 48110 and refill engine with 12 qts Exxon Aviation oil Elite. SAE 20W-50 Multi-Grade semi-synthetic oil. Owner provided.
- Inspect engine air induction filter and found to be clean. AD 84-26-2 (replacement of air filter) due at 1,552.0 hours. 1,052.0 606
- Replace seals at turbo controller valve. Replace clamp lock nuts with new. Run engine until worm and torque clamps and safety wire.
- Exhaust system and induction system pressure tested and inspected for leaks with soap water.
- Minor replacement of red RTV sealer on engine metal baffles and flexible baffles.
- Engine test run, Operation tested good and leak checked good.
- Airworthiness Directives checked through. 2003-07 and found to be in compliance.

 AD 91-14-22 due at any prop strike. AD 02-26-01 C/W by inspection and is next due at 673.4 or annual or if any fuel injector lines are affected by service.
- I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Bruce Allan Bell 519805262 A&P IA.

Bruce allen Bell 519805262 ALP I.A.

Airframe & Powerplants mechanic.
Inspection Authorization
519805262
Aircrfixr@aol.com

21309 Lakeshore Drive Number 20 California City, California. 93505 661 886 2277

Engine Log N595TC

Date: October 30, 2004 AFTT and Hobbs: 587.4

- Annual inspection competed in accordance with Commander Aircraft Company
- 114B / 114TC Maintenance Manual Inspection check list Revision A.
- Compression test results: #1 68/80, #2 64/80, #3 74/80, #4 76/80, #5 72/80, #6 74/80.
- Oil Sump removed for sublet repair to Pacific Continental Engines, Inc. Steel insert sleeves for induction pipes repaired. New rubber induction pipe sleeves installed.
- Three exhaust pipe studs replaced right engine cylinders. New exhaust gaskets and hardware installed as needed new.
- Spark plugs removed and serviced by Aircraft Spark Plug Service Van Nuys California.
 Reinstalled.
- Magnetos p/n 6361 s/n 95010061 & p/n 6360 s/n 95090014 repaired, inspected and tested
 in accordance with Slick service Manual, As per Slick 500 hour inspection by Aero
 Accessories Van Nuys California. Magnetos reinstalled and timed to engine.
- Fuel injectors replaced with General Aviation Modifications, Inc. (GAMI) Injectors. Per STC SE09445SC. Form 337 filled out and mailed to FAA.
- Engine refilled with 10 qts EXXON ELITE AVIATION OIL 20-50. New CH48110 oil filter installed. Old oil filter cut open for inspection and no abnormalities noted.
- AD 2002-26-01 C/W by inspection of fuel lines. Recurring if fuel injector lines are affected by service or at AFTT 687.4
- AD 2003-14-03 C/W by torque check of screws. Found to be at specific torque.
 Recurring portion of AD 2003-14-03 is now terminated.
- AD 2004-05-24 C C/W by Installation of TEXTRON LYCOMING KIT p/n 05K19987.
 Crankshaft gear repair. w/o #49231.
- AD's checked and in compliance through 2004-20.
- Engine test run, idle speed and mixture set. Engine inspected for leaks. No leaks found.
- I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
 Bruce Allan Bell 519805262 A&P IA.

Bruce allan Bell

California City Airport.

22520 Airport Way.

Hangar Five.

Airframe & Powerplants mechanic.

Inspection Authorization.

Aircrfixr@aol.com

Bell Aviation Service.

21309 Lakeshore drive #20 California City, California. 93505

Engine Log N595TC

1-21-2006 AFTT: 600.6 Engine Total time: 600.6

- Annual inspection completed in accordance with Commander Aircraft Company 114TC check list. Revision A.
- Engine Oil drained, sample taken for analysis. Oil filter removed and cut open for inspection, Oil pump inlet screen removed for inspection. No abnormalities noted. Engine Oil refilled with Exxon 15W-50 and new oil filter installed.
- Engine compression test results. #1 77/80, #2 50/80, #3 76/80, #4 73/80, #5 76/80, #6 48/80. Cylinders 2 & 6 removed and sent to Western Cylinder Overhaul, Inc. Repair station VA3R912L and overhauled. Cylinders reinstalled and engine test run. Compression test for cylinders to be rechecked post brake in.
- Spark plugs removed, cleaned, gapped and tested. Reinstalled with new copper washers.
- Cylinder head probe MS24482-1 replaced at cylinder #6.
- All exhaust gaskets installed new on reassembly of exhaust system.
- Engine to magneto timing adjusted to specification.
- Fuel screen for airframe and fuel servo checked and cleaned. Reinstalled with new "O" ring seals.
- Engine test run and leak checked. All exhaust hardware torque checked and safety wired.
- AD 2002-26-01 C/W by inspection. Next due at next annual or at 700.6 AFTT or at any service that affects fuel injector lines.
- AD's checked and in compliance through 2006-01.
- I certify that this engine has been inspected in accordance with annual inspection and was determined to be in airworthy condition. Bruce Allan Bell 519805262 A&P I.A.

Bruce Cellen Bell

	DER OVERHAUL, INC.
· HONE (010/ 090-5522
AL PHOVED HE	PAIR STATION #VA3R912L A
WORK ORDER #205 90	- CUSTOMER Sell HUICTION
MANUFACTURER Y	MODEL 10-540-4614
PART NAME/# 4 INDER	YSSY COMPLETE
The component hereon identified wa with current Federal Air Regulation	as repaired and inspected ip

rice. Pertinent details of this repair are on file at this ar

Califo

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WESTERN CYLINDER OVERHAUL, INC. 12653 OSBORNE STREET - PACOIMA, CA 91331 PHONE (818) 896-5522

FAA APPROVED REPA	AIR STATION #VA3R912L
WORK ORDER # 26589	CUSTOMER SELL AVIATIO
MANUFACTURER LYC	MODEL 110-540-4GIA
PART NAME & SIM der	1884 Complete

The component hereon identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of this repair are on file at this agency.

Date 12-14-2(05

17197 Roper Street Hangar 977 Mojave California 93501 Phone (661) 824 – 0555 Cellular Phone 661 728 8584 E-Mail aircrfixr@aol.com

ENGINE LOG Commander Aircraft 114TC

AFTT: 601.4 Hobbs: 601.8 ETT: 601.4

- · Annual inspection completed in accordance Appendix D to Part 43.
- Oil drained. Oil filter removed and cut open for inspection, Oil pump inlet screen removed for inspection and cleaning.
 Filter and screen found to be normal.
- Screen reinstalled with new copper crush gasket.
 New Oil filter installed. Engine refilled with Exxon 15W-50 Oil.
- Spark plugs removed, cleaned, gapped, spark tested and reinstalled with new M674 gaskets.
- Compression check. #1 76/80, #2 72/80, #3 75/80, #4 72/80 #5 75/80 & #6 72/80.
- All AD's have been checked and in compliance through 2007-02. I certify this engine has been inspected in accordance with an annual Inspection and was found to be in an Airworthy condition.

 Bruce Allan Bell 519805262 A&P I.A.

Bruce alen Beer

17197 Roper Street Hangar 977 Mojave California 93501 Phone (661) 824 – 0555 Cellular Phone 661 728 8584 E-Mail aircrfixr@aol.com

ENGINE LOG Commander Aircraft 114TC AFTT: 602.9 Hobbs: 602.9 ETT: 602.9

- · Annual inspection completed in accordance Appendix D to Part 43.
- Oil drained. Oil filter removed and cut open for inspection, Oil pump inlet screen removed for inspection and cleaning. Filter and screen found to be normal.
- Screen reinstalled with new copper crush gasket.
 New Oil filter installed. Engine refilled with Exxon 15W-50 Oil.
- Spark plugs removed, cleaned, gapped, spark tested and reinstalled with new M674 gaskets.
- Compression check. #1 76/80, #2 71/80, #3 75/80, #4 72/80 #5 75/80, #6 70/80.
- AD 2008-14 To prevent a lean running engine. N.A.
- All AD's have been checked and in compliance through 2007-04F. I certify this engine has been inspected in accordance with an annual Inspection and was found to be in an Airworthy condition.

 Bruce Allan Bell 519805262 A&P I.A.

Bruce Cely Bell

July 10, 2009

EXODUS AIR SERVICE

4555 West Ave "G" Ste#6 (WJF) Lancaster, California 93536 Phone (661) 942-6489 Fax (661) 942 0012 E-Mail Exodusairservice@hotmail.com

N595TC Engine. Hobbs & ETT: 607.0

Annual inspection completed per scope and detail of Appendix D to Part 43.

- Drained engine oil. Oil sample taken for analysis. Removed oil filter and cut open for inspection. Removed oil pump inlet screen, inspect, clean and reinstall with new copper crush washer P/N MS35769-21.
 Refill engine with 10 quarts with Exxon Elite 20W-50.
- Compression test: #1. 79/80, #2 78/80, #3 76/80, #4 78/80, #5 72/80, #6 78/80.
- Remove spark plugs, clean, gap, spark test and reinstall with new M674
 Gaskets.
- Remove fuel injectors, clean, flush and reinstall with new rubber washers and O ring seals:
- Remove both engine magnetos and perform 500 hour inspection by Exodus Engine Shop (Rodolfo Rodriguez) Reinstall and time to engine.
- Replace cylinder head temp probe for cylinder #6 P/N 2855 S/N 7146.
- Remove all six induction tubes and replace gaskets P/N 71973.
- Torque all exhaust hardware and clamps.
- Replaced turbo controller waist gate spring P/N 477312-0000.
- Removed propeller, De sludge crank shaft and propeller hub. Replaced alternator drive belt and reinstall propeller with new O ring seal P/N MS28775-228.
- Test run, Set Idle mixture, and speed. Turned down engine driven fuel pump 4 turn and turned up turbo controller 4 turn.
- AD 2008-14-07 C/W by inspection of fuel injector lines. Due at next annual, 707.0 Hobbs/AFTT or any service that affects fuel injector lines.
- AD 2009-02-03 Reviewed and determined to be N.A. by date but torque checked servo plug as good practice and found tight.
- AD 84-26-02 Due at Hobbs/AFTT or 1,052.0 or earlier if paper air filter becomes to dirty.
- AD's checked and in compliance through 2009-14F.

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

Bruce Allan Bell A&P I.A. 519805262

Bruce allen Bell

September 25, 2010

BELL AVIATION SERVICE

P.O. Box 4971 Phone: 661 718 9671 Lancaster, California 93539 Aircrfixr@aol.com

A&P I.A. 3444107

N595TC Engine Log Avco Lycoming TIO-540-AG1A S/N I-9629-61A Engine total time and Hobbs: 607.3

Annual inspection completed in accordance with Appendix D to Part 43.

- Compression test #1 78/80, #2 77/80, #3 76/80, #4 76/80, #5 73/80, and #6 77/80.
- AD 2008-14-07 Complied with by inspection of fuel injector lines and clamps per paragraph (k). Paragraph
 (j) due at 707.3 or at any service that affects fuel injector lines.
- All Airworthiness Directives are in compliance through 2010-18F

Engine run up for operation check and leak check.

I certify that this **engine** has been inspected in accordance with an annual Inspection and was found to be in an airworthy condition.

Bruce Allan Bell A&P I.A. 3444107

Bruce allen Bell

March 4, 2012

BELL AVAIATION SERVICE

BRUCE ALLAN BELL 44401 Benald Street, Lancaster, California 93535

Phone: 661 718 9671

Aircrffxr@aol.com

A&P 3444107 I.A.

N595TC

AVCO Lycoming Model: TIO-540-AGIA S/N: L-9629-61A Total Time: 610.5 Hours.

Annual inspection performed per Scope and Detail of Appendix D to Part 43.

- Engine oil drained and sample collected for laboratory analysis. Oil screen removed for inspection, cleaned and reinstalled with new gasket. Oil tank refilled with 10 quarts of Exxon Aviation Oil Elite 20W-50.
 Old oil filter removed and cut open for inspection. Nothing abnormal noted. Installed new oil filter Champion P/N CH48110-1-2 installed.
- Removed all spark plugs, cleaned, gapped, spark tested and reinstalled with new M674 gaskets.
- Compression Test: #176/80 #277/80, #378/80, #475/80, #578/80, #675/80.
- Solvent washed engine and cowling.
- Engine ground run and operation checked. All checked satisfactory.
- Complied with Lycoming repetitive fuel injector line AD 2011-26-04 by inspection per paragraph (i) and MSB No. 342F. Paragraph (h) due in 100 hours at AFTT: 610.5
- All airworthiness directives are in compliance through 2012-4

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Bruce Allan Bell A&P 3444107 LA. Bruce Getty Beel 03/04/2012

BRUCE ALLAN BELL A&P 3444107I.A. 1150 CHAGAL AVE. LANCASTER, CALIFORNIA. 93535

N595TC Commander Model: 114TC S/N: 20005 Engine Lycoming Model: 10-540-AGIA S/N: L-9629-61A August 27, 2013 Hobbs & Engine Total Time: 611.1

Annual inspection performed Scope and Detail of Appendix D to Part 43.

- Oil drained and sample collected for laboratory analysis. Remove oil filter and cut open for inspection. Oil pump inlet screen removed for inspection. Nothing abnormal noted. Install new Champion oil filter P/N CH48110-2 (08-00909) and refill the engine with 10 quarts of Exxon Elite 20w-50 oil.
- Spark plugs cleaned, gaped, spark tested, and reinstalled with new M674 gaskets.
- AD 2011-26-04 complied with by inspection per paragraph (i) and MSB No. 342F. Next
 due at annual or any time fuel injector lines are affected by maintenance or hobbs: 711.1
- AD 2004-10-14C not due at this time. No propeller strike.
- AD 2012-19-01 not applicable by engine build date.
- Compression Test. #174/80, #278/89, #378/89, #470, #575/80, #678/80.
- Engine ground run, operation and leak checked satisfactory.
- Airworthiness Directives are in compliance through 2013-17.

I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Bruce Allan Bell A&P 3444107 I.A.

Bruce allan Bell

DATE	TOTAL TIME IN SERVICE	TOTAL . TIME . SINCE OVERHAUL	TACH OR RECORDING METER TIME		N OF WORK PE	ERFORMED— SON PERFORMING WORK	-
		, (a)		TOTALS brought forward from	previous page	*	
	ACFT Model:	Commande 114TC	er	GIBBS SERVICE CENTER	Date:	3-21-2014	
	Serial No.:	20005	4	Montgomery Field, San Diego, CA 9212	3 W.O. No.:	15615	
	Reg. No.:	N595TC		FAA Approved Repair Station VT3R931		612.1	
- [Eng. Mfg.:	Lycoming		Eng. Model: TIO-540-AGIA	Eng. S/N:	L-9629-61A	
	SMOH:	N/A		Hobbs: 612.1	Airframe:	612.1	-
	Drained oil, ins OK, no leaks. (26-04, Fuel Lir 2014.	ber 5 cylinder spected and re Compression nes, next due	baffle. Fabreplaced oil fi checked as 712.1. AD no	mmander Aircraft Co.,114TC AMM, 50 h icated 2 stainless steel baffle patches ar ter. Serviced engine 11qts A/S 15W-50 follows: 1-74/ 80, 2-72/ 80, 3-75/ 80, 4-7. otes checked and are current 3-17-2014.	id installed with roil. Set magneto 2/ 80, 5-73/ 80, 6 ATP Navigator (ivets and screws. timing. Engine run-up -72/ 80. C/W AD 2011- Content Revision: 3-19-	
	aviation regula this agency un	tions and was	found airwo	above repaired/replaced and inspected orthy for return to service. Pertinent deta	n accordance wi	th current federal eplacement are on file at	
	Date: 3-21-2	2014		Signed:		INSP	
:-					leff	Runyon	100
	t-687.5						čl.,
	-			Fugtilled OH eng. 4 d. SN-C7050. This is AD 03-14-03 to serve. Cho	This &	IH3575997	12
Compression	-688.5 ETT-68 n test: 72, 70, 7	4, 76, 74, 72/	80	ection to Service, Chy	This &	TH3575997	1 2
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	SIGNATU	DESCRIPTION OF WO		NG WORK
				TOTALS brought	forward from previous p	age	*
Compression Removed all sparkplugs. Contanged oil a CH48110-1 on the second of the contangent of the c	gine mount for ms. Replaced th	o, 72, 72, 68/8 pected, cleane ning on both red with 9 quared and oiled electronic and the #1, 3 and 5 estems. All churchis Appendial. This energians	d, gapped and nagnetos to 20 arts of AS15w5 ngine air filter. wear. Inspecte exhaust gasket ecks were norr	reinstalled all degrees. 50 oil and a Check all belts, ed intake and s. Ran engine to nal at this time.	100/W/Anna 1	TTHIS Engr FED IN ACCORDAN NSPECTION AND IN WORTHY CONDITION	NAS FOUND
				2			
Pe	errormed annual	inspection i.A.v	e No New A.D.	114 Service Manual			
C.J. Pri	stalled New Turb ubricated throttle	1 Fuel line inspession Test #1-7 to Waste Gate S t, mixture, and I the has been inspections of and was found	ection, no defec 70/80 #2-77/80 # Spring Propeller cables ected I.A.W. a 1 d to be in an airy	t found #3-75/80 #4-74/80 #5-7 and mouse milked the	waste gate n using the aircraft maintena		
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