

# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

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

Aircraft: is single engine

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE OF PERSON PERFORMING WORK
			<b>TOTAL</b> brought forward from previous page
			Removed Data Plate S/N L-1259-X and Installed Data Plate L-9629-61A
			<i>Charles E. Ward</i> Charles E. Ward
			Textron Lycoming Service Engineer

## Commander Aircraft Company

FAA Certified Repair Station CMKR305K  
7200 N.W. 63rd St., Bethany, OK 73008  
Telephone (405) 495-8080 FAX (405) 495-8383

MODEL TIO-540-AGIA REG# N595TC S/N 20005  
DATE 10/06/95 TTAF 20.5 SMOH ----- W/O M1280

Changed engine oil and filter, serviced with 10 qts. Aeroshell 15W50, adjusted mixture control. This engine is approved for return to service for work performed under Commander Aircraft Company work order number M1280. 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 CMKR305K

N#: 595TC  
SN#: 20005  
Model: 114TC  
Landings: N/A

**ATLANTIC AERO, INC.**  
Piedmont International Airport  
Greensboro, North Carolina  
FAA APPROVED REPAIR STATION EWGR752D

DATE: 10/24/95  
W.O.#: 5014  
Hobbs: 34.2  
Total Time: 34.2

Removed RH magneto P/N 6360 S/N 95010002 and installed new magneto P/N 6360 S/N 95090014. Ran and ops checked good. Leak checked good.





\*\*\*\*\* END \*\*\*\*\*

Signature \_\_\_\_\_

For Atlantic Aero, Inc. FAA CRS EWGR752D

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE OF PERSON PERFORMING WORK
			<b>TOTAL</b> brought forward from previous page
<div> <div> <b>FAA Repair Station</b>  <b>HUNR846E</b> </div> <div>  </div> </div> <p> <b>N595TC</b>  <b>Hobbs 68.0</b> </p> <p>             Changed oil and filter, serviced with Aeroshell 15-50wt. Inspection of old filter no defects noted. Run up and leak checks performed. All work performed on work order 10712 is approved for return to service.         </p> <p>             DATE: <u>2-7-96</u> SIGNATURE:               GALVIN FLYING SERVICE INC.              6987 PERIMETER ROAD SOUTH              SEATTLE, WA 98108              REPAIR STATION NO. HUNR 846E         </p>			
<div> <div> <b>FAA Repair Station</b>  <b>HUNR846E</b> </div> <div>  </div> </div> <p> <b>N595TC</b>  <b>Tach 109.4</b> </p> <p>             Changed oil and filter, serviced with Aeroshell 15-50wt, inspected old filter, no defects noted. Run up and leak check performed. All work performed on work order 11128 is approved for return to service.         </p> <p>             DATE: <u>4-8-96</u> SIGNATURE:               GALVIN FLYING SERVICE INC.              6987 PERIMETER ROAD SOUTH              SEATTLE, WA 98108              REPAIR STATION NO. HUNR 846E         </p>			
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TOTAL -			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
<b>TOTALS</b> brought forward from previous page				

# **FAA Repair Station HUNR846E**



N595TC  
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: 3-21-96 SIGNATURE: [Signature]  
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

MODEL TIO-540-AG1A REG# N595TC S/N L-9629-61A  
DATE 7-10-96 TTAF 186.6 SMOH ----- W/O M1351

Changed engine oil and filter serviced with 10qt aeroshell 15w 50, adjusted density controller, replaced 6ea lower spark plugs. This engine is returned to service for work performed under Commander Aircraft Company work order number M1351

Signed: [Signature]  
For Commander Aircraft Company Repair Station CMKR305K

# **FAA Repair Station HUNR846E**



N595TC  
Hobbs 255.1

Changed oil, Aeroshell 15W50. Inspected old oil filter and installed new filter. Run-up, leak and ops checks all OK. All work performed on work order 12034 is approved for return to service.

DATE: 8-16-96 SIGNATURE: [Signature]  
GALVIN FLYING SERVICES, INC.  
6987 PERIMETER ROAD  
SEATTLE, WA 98108  
REPAIR STATION NO. HUNR 846E

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
TOTALS brought forward from previous page				

# Commander Aircraft Company

FAA Certified Repair Station CMKR305K  
7200 N.W. 63rd St., Bethany, OK 73008  
Telephone (405) 495-8080 FAX (405) 495-8383

Engine

MODEL TIO-540-AGIA REG# N595TC S/N L-9629-61ADATE 08-28-96 TTAF 262.7 SMOH ----- W/O M1370

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 thermo-static 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.  
Santa Rosa, CA 95403

CHANGE OIL &amp; FILTER w/10qt

AS 15W50 OIL + CH48110 FILTER

INSPECT FILTER: NO METAL FOUND

CLEAN ENG; LEAK CK NOPE FOUND

I certify that this (aircraft) (engine) has been  
inspected in accordance with a 50 HR  
inspection and was determined to be in airworthy  
condition.

Signature [Signature] A+P  
556724712

Signature [Signature] A+P 556724712

Tach Time 318.4 Total Time \_\_\_\_\_WO# \_\_\_\_\_ Date 2/17/97

Completed Insp. IAW Commander

114TC Guidelines. Comp. ① 70/80 ② 75/80 ③ 72/80

④ 75/80 ⑤ 72/80 ⑥ 74/80. Removed #2 Cyl.

from how Comp. 29/80. Cyl. Repaired by

Air West Engines. Reinstalled w/ all

new seals &amp; Gasket and checked compression

Cleaned, gapped, Tested spark plugs.

Re-tightened all cyl. drain wrenchamps

All spark plugs replaced. (CONT →)

TOP GUN AVIATION  
CERTIFY THAT THIS ENGINE HAS  
BEEN INSPECTED IN ACCORDANCE WITH A  
100 HOUR INSPECTION AND IS AIRWORTHY  
WITH RESPECT TO THE WORK PERFORMED  
DATE 9-10-97 TOTAL TIME 368.1


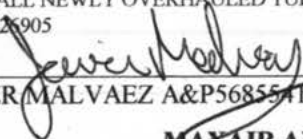
CH TIME 368.1 R.O. 708 2428

Ruth Briff

556900292EA

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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
				TOTALS brought forward from previous page
CONT →		368.1		Redund nags to engine. Replaced wastegate Assy. with New wastegate. Replaced Turbo Assy. for Bench check. Checked oil. Reinstalled Turbo. C/W AD 93-02-05 Fuel Ins. Line & Clamp Insp. Good Raw & Flt. ops checked oil. All applicable AD's thru 97-17 checked ———
				<p>REG: N595TC LYC TIO-540-AG1A SN: L-9629-61A  HOBBS: 412.3 T.T: 412.3 DATE: 10/2/98</p> <p>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 &amp; FILTER CHANGE. SERVICED ENG. W/ 9 QTS. A/S100w50, NEW FILTER PN. CH48110.  4. RETORQUED ALL CASE &amp; SUMP NUTS &amp; BOLTS.</p> <p>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.</p> <p>  MAX BUCHER A&amp;P 569595217 IA.</p> <p><b>MAXAIR AVIATION</b>  16231 WATERMAN DR. VAN NUYS, CA. 91406  (818) 901-7098 (818) 901-7099 FAX.</p>
				<p>REG: N595TC B3D32C419-C SN: 951157  HOBBS: 433.8 T.T: 433.8 DATE: 12/30/98</p> <p>1. INSTALL NEWLY OVERHAULED TURBOCHARGER P/N466011-9002 S/NBK028905</p> <p>  JAVIER MALVAEZ A&amp;P568554158</p> <p><b>MAXAIR AVIATION</b>  16231 WATERMAN DR. VAN NUYS, CA. 91406  (818) 908-7098 (818) 901-7099 FAX</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



1. UNITED STATES		2. <b>FAA FORM 8130-3</b> AIRWORTHINESS APPROVAL TAG				3. CONTROL REF. NO. BKO26905	
4. ORGANIZATION:		U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ALLIED SIGNAL, Automotive., TURBOCHARGING SYSTEMS Inc. 3201 W. LOMITA BLVD. TORRANCE, CA 90505				5. WORK ORDER, CONTRACT OR INVOICE NO. 00044641	
6. ITEM	7. DESCRIPTION	8. PART NO.	9. ELIGIBILITY*	10. QTY.	11. SERIAL/BATCH NO.	12. STATUS/WORK	
1	TURBOCHARGER	466011-9002	VARIOUS	1	BKO26905	NEWLY OVERHAULED	
13. REMARKS:		<p>1. UNIT ASSEMBLED WITH OVERHAULED AND NEW COMPONENTS.</p> <p>2. DATE OF COMPLETION: <u>11-18-98</u></p> <p>3. WORK PERFORMED BY: <u>ED + GJ</u></p> <p>4. ASSEMBLY INSTRUCTIONS PER OVERHAUL MANUAL TP20-0128 or 0129.</p> <p>CUSTOMER P/N: 46C19836</p> <p>CAUTION: CONSULT ENGINE AND/OR AIRFRAME MANUFACTURE'S SERVICE LITERATURE FOR PROPER APPLICATION AND INSTALLATION INFORMATION. IF PART NUMBER OF REPLACEMENT PARTS DIFFERS FROM THAT OF PART REMOVED, SERVICE LITERATURE SHOULD VERIFY THAT REPLACEMENT PART AND INSTALLATION ARE CORRECT.</p>					
14. NEW NEWLY OVERHAULED		<p>19. RETURN TO SERVICE IN ACCORDANCE WITH FAR 43.9</p> <p>CERTIFIES THAT THE NEW PART(S) IDENTIFIED ABOVE, EXCEPT AS OTHERWISE SPECIFIED IN BLOCK 13 WAS (WERE) MANUFACTURED IN ACCORDANCE WITH FAA APPROVED DESIGN DATA AND AIRWORTHINESS REGULATIONS.</p> <p>NOTE: IN CASE OF PARTS TO BE EXPORTED, THE SPECIAL REQUIREMENTS OF THE IMPORTING COUNTRY HAVE BEEN MET.</p>					
15. SIGNATURE:		16. FAA AUTHORIZATION NO.		20. AUTHORIZED SIGNATURE:		21. CERTIFICATE NUMBER:	
17. NAME (Typed or Printed):		18. DATE:		22. NAME (Typed or Printed):		23. DATE:	
				S.B. SMITH		R/S # LVHR795K 11/19/98	

\* Optional installer must cross check eligibility with applicable technical data.

User/Installer Responsibilities

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 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 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 maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.







## BELL AVIATION SERVICE

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 engine until warm, 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 1,052.0 hours. 1,052.0 GAB
- ▶ Replace seals at turbo controller valve. Replace clamp lock nuts with new. Run engine until warm 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 Allan Bell 519805262 A&P I.A.*

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



# BELL AVIATION SERVICE

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 Allan Bell*

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

FAA APPROVED REPAIR STATION #VA3R912L

WORK ORDER # 26590 CUSTOMER Bell Aviation  
MANUFACTURER LYC MODEL IO-540-A61A  
PART NAME/# Cylinder Assy 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 12-14-2005 Signed Rodolfo R. Ryz

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

FAA APPROVED REPAIR STATION #VA3R912L

WORK ORDER # 26589 CUSTOMER Bell Aviation  
MANUFACTURER LYC MODEL IO-540-A61A  
PART NAME/# Cylinder Assy 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 12-14-2005 Signed Rodolfo R. Ryz



APRIL 1, 2007

## BELL AVIATION SERVICE

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 Allan Bell*



MAY 1, 2008

# BELL AVIATION SERVICE

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 Allan 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  $\frac{1}{4}$  turn and turned up turbo controller  $\frac{1}{4}$  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 Allan Bell*



September 25, 2010

# BELL AVIATION SERVICE

P.O. Box 4971  
Phone: 661 718 9671

Lancaster, California 93539  
[Aircrfixr@aol.com](mailto:Aircrfixr@aol.com)  
A&P I.A. 3444107

**N595TC Engine Log**  
**Avco Lycoming TIO-540-AG1A S/N 1-9629-61A**  
**Engine total time and Hobbs: 607.3**

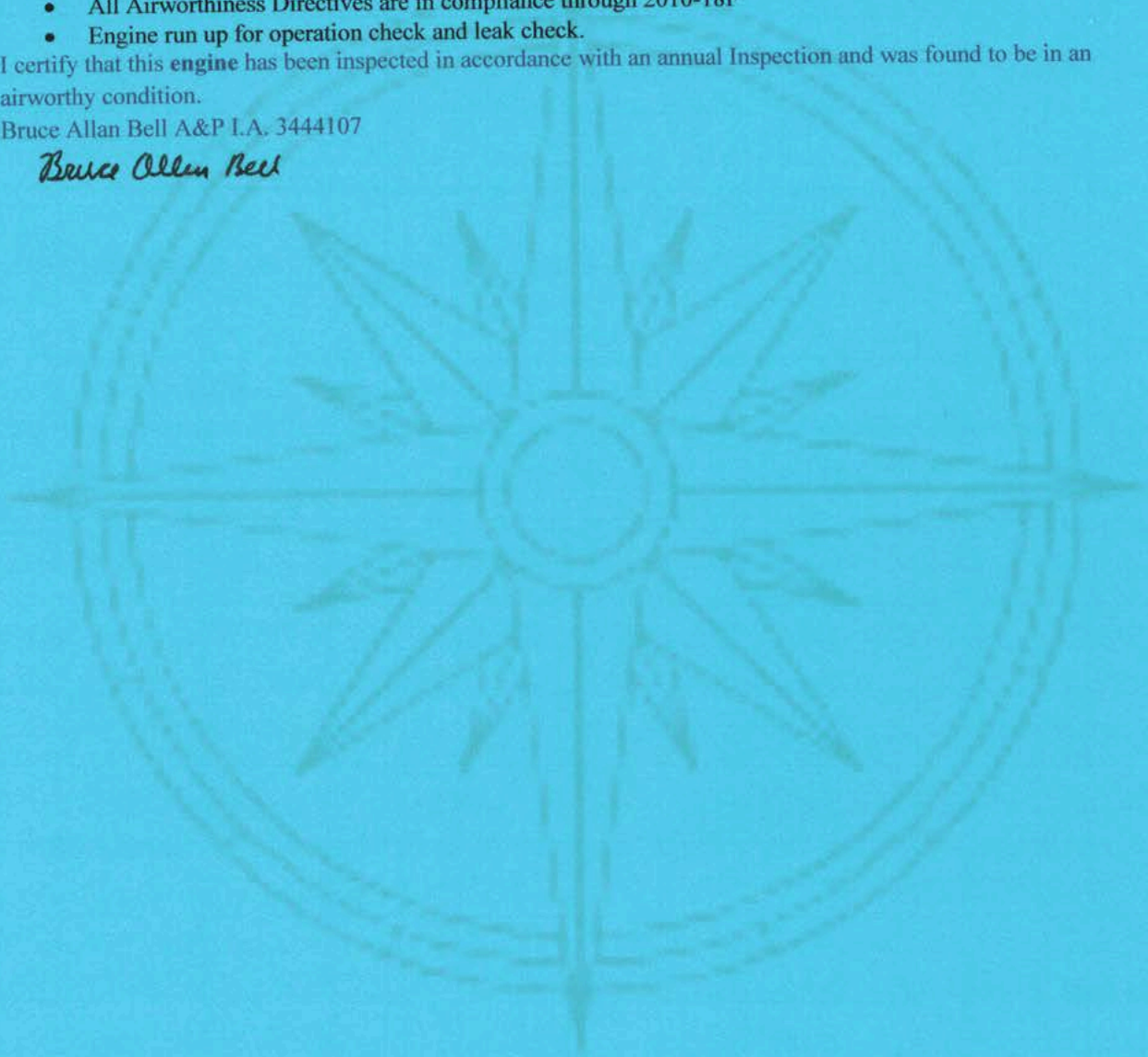
Annual inspection completed in accordance with Appendix D to Part 43.

- 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 Allan Bell*



March 4, 2012

## BELL AVIAATION SERVICE

**BRUCE ALLAN BELL**

44401 Benald Street, Lancaster, California 93535

Phone: 661 718 9671

[Aircrfixr@aol.com](mailto:Aircrfixr@aol.com)

A&P 3444107 I.A.

**N595TC**

**AVCO Lycoming Model: TIO-540-AG1A S/N: L-9629-61A**

**Total Time: 610.5 Hours.**

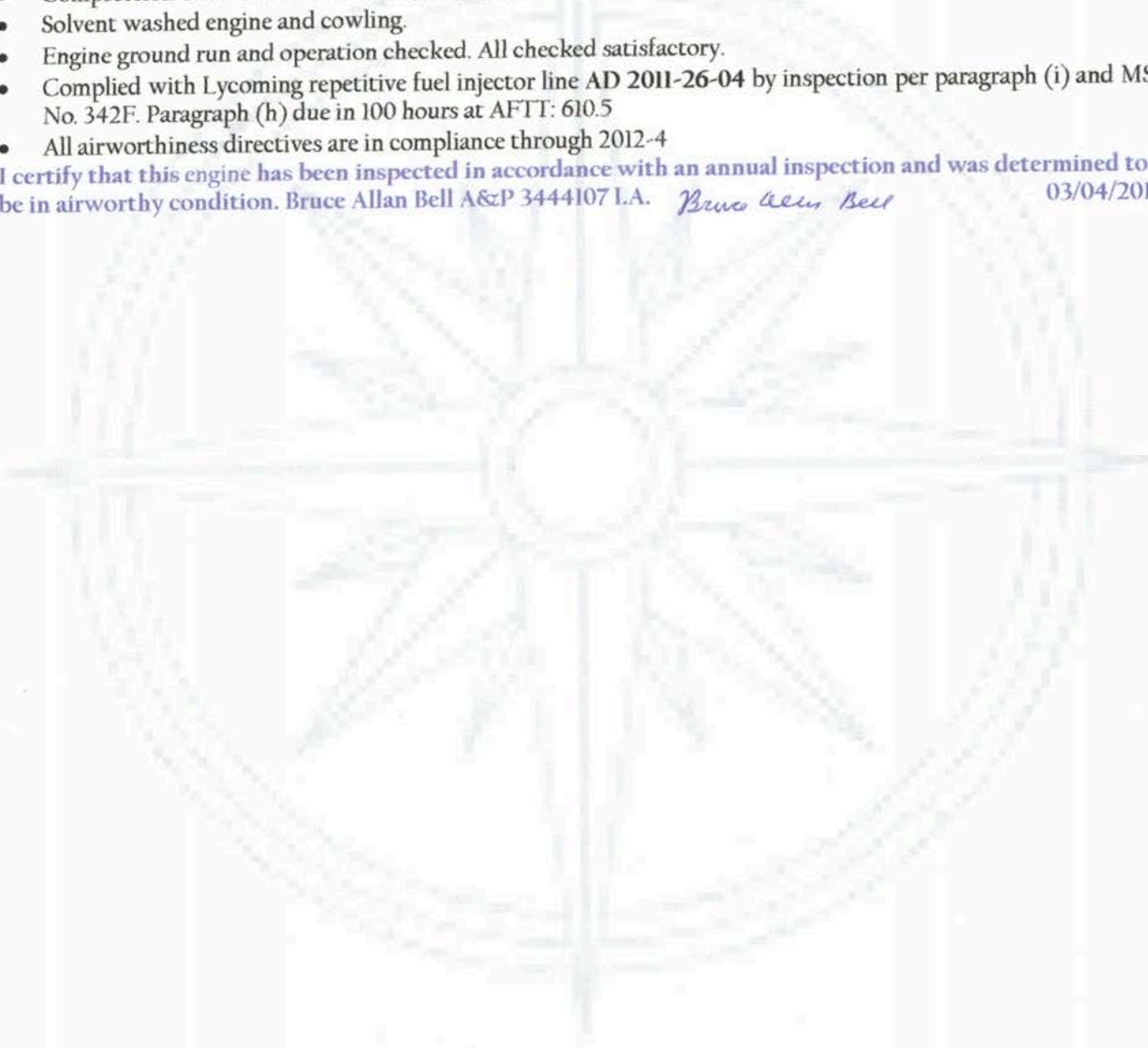
**Annual inspection performed per Scope and Detail of Appendix D to Part 43.**

- 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: #1 76/80 #2 77/80, #3 78/80, #4 75/80, #5 78/80, #6 75/80.
- Solvent washed engine and cowl.
- 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 I.A.**

*Bruce Allan Bell*

03/04/2012





# BELL AVIATION SERVICE

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

N595TC Commander Model: 114TC S/N: 20005  
Engine Lycoming Model: 10-540-AG1A S/N: L-9629-61A  
August 27, 2013 Hobbs & Engine Total Time: 611.1

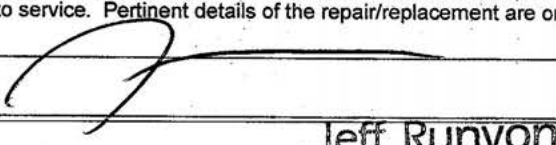

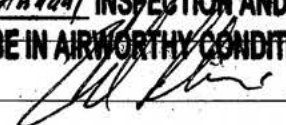
## Annual inspection performed Scope and Detail of Appendix D to Part 43.

- 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. #1 74/80, #2 78/89, #3 78/89, #4 70, #5 75/80, #6 78/80.
- Engine ground run, operation and leak checked satisfactory.
- Airworthiness Directives are in compliance through 2013-17.

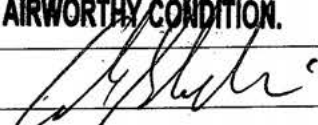
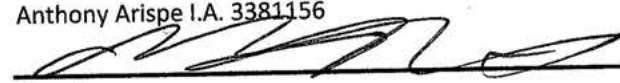
I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Bruce Allan Bell A&P 3444107 I.A.

*Bruce Allan Bell*



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
ACFT Model:	Commander 114TC	GIBBS SERVICE CENTER		Date: 3-21-2014
Serial No.:	20005	Montgomery Field, San Diego, CA 92123		W.O. No.: 15615
Reg. No.:	N595TC	FAA Approved Repair Station VT3R931L		TET: 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
Annual inspection completed per the Commander Aircraft Co., 114TC AMM, 50 hr/ 100 hr Inspection Checklist, Rev A. Removed number 5 cylinder baffle. Fabricated 2 stainless steel baffle patches and installed with rivets and screws. Drained oil, inspected and replaced oil filter. Serviced engine 11qts A/S 15W-50 oil. Set magneto timing. Engine run-up OK, no leaks. Compression checked as follows: 1-74/ 80, 2-72/ 80, 3-75/ 80, 4-72/ 80, 5-73/ 80, 6-72/ 80. C/W AD 2011-26-04, Fuel Lines, next due 712.1. AD notes checked and are current 3-17-2014. ATP Navigator Content Revision: 3-19-2014.				
The aircraft and/or component identified above repaired/replaced and inspected in accordance with current federal aviation regulations and was found airworthy for return to service. Pertinent details of the repair/replacement are on file at this agency under Order No. 15615				
Date: 3-21-2014		Signed:  Jeff Runyon 		
3-26-15	T-687.5			Installed OH engine driven fuel pump, PN-A6179804/M, SN-C7050. This is terminating action for AD 03-14-03. This engine is returned to service. Charles. IA3575997
<div style="display: flex; justify-content: space-between;"> <div> <p>4/7/2015 T-688.5 ETT-688.5 100 hr/Annual Inspection</p> <p>Compression test: 72, 70, 74, 76, 74, 72/80</p> <p>Removed all sparkplugs, inspect, clean, gap and reinstall all sparkplugs. Changed oil and filter. Serviced with 10 quarts of AeroShell 15W50 oil and a CH48110-1 oil filter. Checked magneto timing to 20 degrees. Inspected intake and exhaust systems. Cleaned and oiled engine air filter. Check all belts, hoses, and engine mount for condition and wear. Ran engine to full power and checked all systems. All checks were normal at this time. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. This engine is returned to service. Charles Schandelmeier, IA3575997</p> </div> <div> <p><b>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr/Annual INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</b></p>  </div> </div>				
19 June 2015		N595TC		ENGINE LOG ENTRY
TACH: 0712.4				
Removed #1 vacuum pump, Airbounne 212CC, s/n 6AL2019. Installed new Sigma-Tec 1U128-006 s/n T44595H. Ran engine for operational and leak checks. Operational check good. No leaks noted at this time.				
Mark E Twining A&P 18486682				
SUB-TOTALS this page				
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
				<b>TOTALS</b> brought forward from previous page
5/20/2016	T-786.5	ETT-786.5	100 hr/Annual Inspection	<p><b>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr/Annual</u> INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</b></p> 
<p>Compression Test: 71, 72, 70, 72, 72, 68/80            Removed all sparkplugs, inspected, cleaned, gapped and reinstalled all sparkplugs. Checked mag timing on both magnetos to 20 degrees.            Changed oil and filter. Serviced with 9 quarts of AS15w50 oil and a CH48110-1 oil filter. Cleaned and oiled engine air filter. Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Replaced the #1, 3 and 5 exhaust gaskets. Ran engine to full power and checked all systems. All checks were normal at this time.            All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. This engine is returned to service.            Charles Schandelmeier, IA3575997</p>				
<div style="border: 1px solid black; padding: 5px;"> <p><b>Arispe Aviation LLC 1704 Canyon Wren Dr. McKinney, Tx 75071</b>  <b>Commander 114TC N595TC S/N 20005 Tach Time 805.4 Date 01Jul17</b>  <b>Lycoming IO-540-AG1A S/N L-9629-61A ETT 805.4</b></p> <p>Performed annual inspection I.A.W. Commander 114 Service Manual            All A.D.'s complied with at this time. No New A.D.'s            C/W AD 2002-26-01 Fuel line inspection, no defect found            Performed Compression Test #1-70/80 #2-77/80 #3-75/80 #4-74/80 #5-72/80 #6-68/80            Installed New Turbo Waste Gate Spring            Lubricated throttle, mixture, and Propeller cables and mouse milked the waste gate</p> <p>I certify this engine has been inspected I.A.W. a 100Hr/Annual inspection using the aircraft maintenance manual and FAR part 43 appendix D and was found to be in an airworthy condition at this time</p> <p>Anthony Arispe I.A. 3381156</p> <div style="display: flex; justify-content: space-between;"> <div>             Signature         </div> <div> <u>01Jul17</u>            Date         </div> </div> </div>				
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page