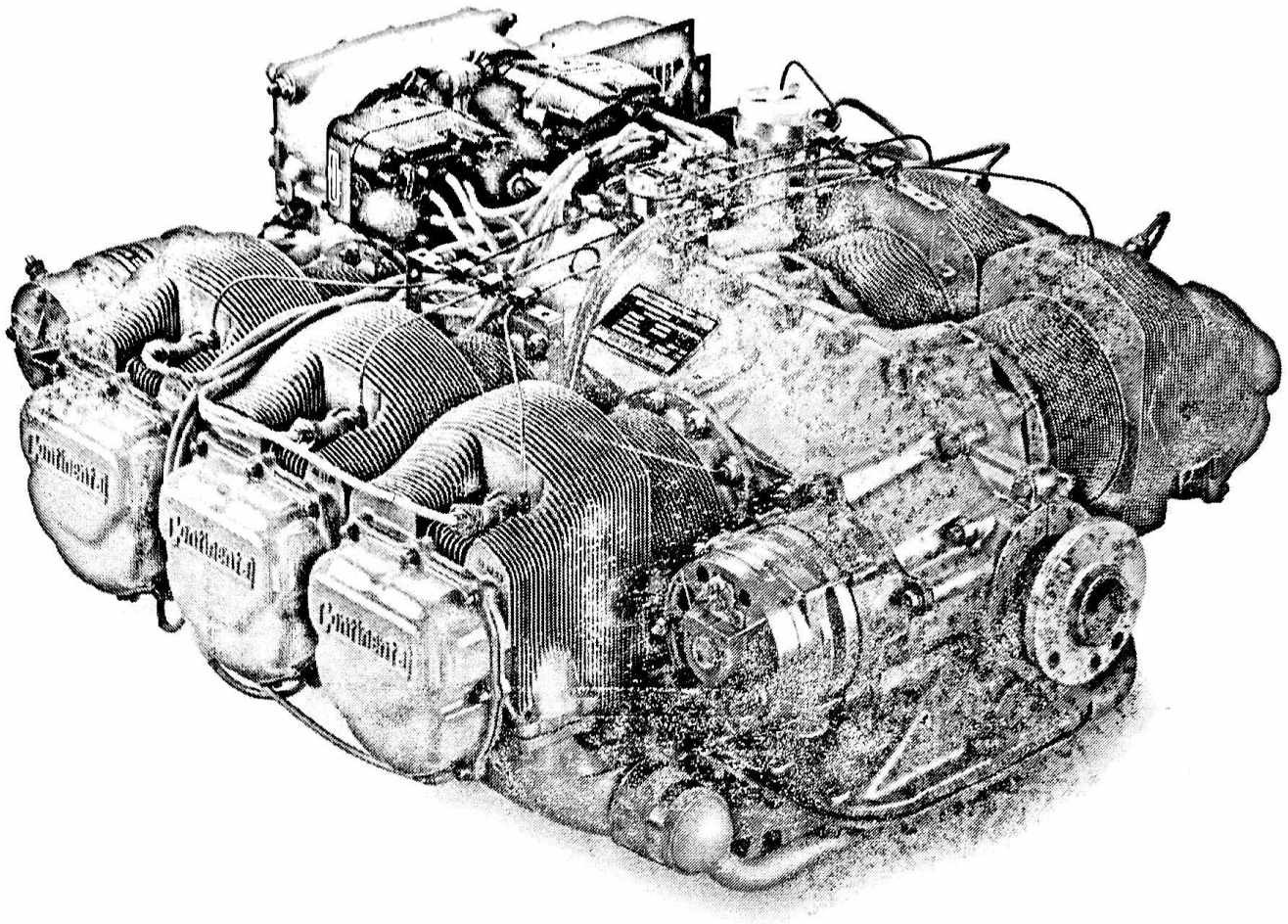


E-3749

1/10  
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# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

# Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model IO550B39B

Engine Serial Number 688487

**Testing Completed**

Standard Acceptance Test:

Date of Completion 8-30-06 Test Operator 



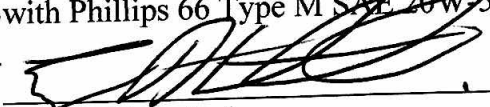
Teledyne Continental Motors, Inc.  
A Teledyne Technologies Company

Form No 98344

CONNROD	AE06GA092	CYLINDER - 4	AC06GA445
CONNROD	AE06GA071	CYLINDER - 5	AC06GA480
CONNROD	AE06GA099	CYLINDER - 6	AC06GA473
CONNROD	AE06GA090	NOZZLE - 1	1250
CONNROD	AE06EA205	NOZZLE - 2	2245
L MAGNETO	06071573	NOZZLE - 3	3248
R MAGNETO	06071576	NOZZLE - 4	4241
FUEL PUMP	B06HA066	NOZZLE - 5	5253
MANIFOLD VALVE	C06HA056	NOZZLE - 6	6243
METERING UNIT	A06HA072	PSTN WGT	WN
STARTER	06 142 0272		
ALTERNATOR	006HA144		

Pack Inspection Stamp



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
11-30-06	0	0	0	0	This engine has been installed on aircraft serial number E-3749 and has been fully charged with Phillips 66 Type M SAE 20W-50.   Eugene Hainstock FOR RAYTHEON AIRCRAFT CO. PC#8



### Engine Log Entry

MWO#	Reg No	Aircraft S/N	Hobbs	AirframeTT	AirframeTC	Engine S/N	Engine T.T.	Date	Page
14041205	N7049S	E-3749	54.6			688487	HM54.6	4/3/2007	1 of 1

WO#	Sqk	2) Other Inspections
14041205	12	DRAINED OIL, REMOVED, CUT OPEN AND INSPECTED OIL FILTER. REPLACED FILTER WITH NEW P/N CH48109-1. C/W OIL SAMPLE. SERVICED WITH 11 QTS AEROSHELL 100+. OPS AND LEAK CHECK GOOD.

WO#	Sqk	7) Maintenance Notes
14041205	13	ADJUSTED FUEL CONTROL IDLE MIXTURE TO 50 RPM RISE, ADJUSTED IDLE TO 700 RPM. OPS CHECK GOOD.

I certify that with respect to the work performed, this Engine was repaired and inspected in accordance with current FAA regulations. Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Authorized Signature  Printed Name James Bartlett  
 Date 4/3/2007 FAA CRS# VC4R595M, EASA 145.5964, Brazilian CME N° 0410-01/DAC, Venezuelan OMAC-E #266  
 Hawker Beechcraft Services Inc., 2450 N. Westshore Blvd., Tampa Florida 33607



### Raytheon Aircraft Services

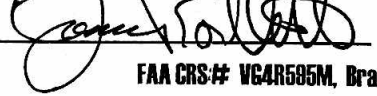
Tampa, Florida

### Engine Log Entry

MWO#	Reg No	Aircraft S/N	Hobbs	AirframeTT	AirframeTC	Engine S/N	Engine T.T.	Date	Page
1404673	N7049S	E-3749	23.6			6884787	23.6	1/19/2007	1 of 1

WO#	Sqk	2) Other Inspections
1404673	12	DRAINED OIL AND REMOVED OIL FILTER. INSPECTED OIL FILTER THEN REPLACED WITH A NEW P/N CH48109-1. SERVICED ENGINE WITH 11 QUARTS OF AEROSHELL STRAIGHT MINERAL OIL 50 WEIGHT

I certify that with respect to the work performed, this Engine was repaired and inspected in accordance with current FAA regulations. Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

Authorized Signature  Printed Name James Bartlett  
 Date 1/19/2007 FAA CRS# VC4R595M, Brazilian CME N° 0410-01/DAC, Venezuelan OMAC-E #26  
 Raytheon Aircraft Services Inc., 2450 N. Westshore Blvd., Tampa Florida 33607

Hrs.

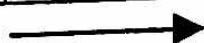
Min.

Hrs.

Min.

Modifications and Service Bulletins

Bought Forward



# Hawker Beechcraft

818-756-2100

7240 HAYVENHURST AVENUE

## ENGINE LOGBOOK INSERT SINGLE ENGINE

MODEL G36  
 S/N E-3749  
 REG. NO. N900TD  
 ENG MOD IO-550-B  
 ENG TSN 102.7  
 ENG TSO \_\_\_\_\_

DATE 29-Aug-07  
 W.O. # 1230  
 HOBBS 102.7  
 ENG S/N 688487  
 ENG CSN \_\_\_\_\_  
 ENG CSO \_\_\_\_\_

- 1 Accomplished oil and oil filter change I.A.W. TCM IO-550-B engine M/M. Filter P/N CH48109-1. Serviced with 11 qts. Aeroshell 100 plus oil. Leak checked ok.
- 2 Accomplished oil analysis using Aviation Laboratories Kit, P/N G.A.-001.
- 3 Adjusted fuel flow and leak checked ok per TCM SID97-3.

----- END -----

I certify that with respect to the work performed, this aircraft/engine/propeller/appliance was repaired and inspected in accordance with current FAA regulations. Only those items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

  
 Signature

**Garland C. Minter**

Inspector  
 Title

CNZ2924C  
 CRS #

N/A  
 EASA #

29-Aug-07  
 Date

# Hawker Beechcraft

818-756-2100  
7240 HAYVENHURST AVENUE

## ENGINE LOGBOOK INSERT SINGLE ENGINE

DATE 14-Feb-08  
W.O. # 21-04-1758  
HOBBS 127.7  
ENG S/N 688487  
ENG CSN \_\_\_\_\_  
ENG CSO \_\_\_\_\_

MODEL G-36  
S/N E-3749  
REG. NO. N900TD  
ENG MOD IO-550B39B  
ENG TSN 127.7  
ENG TSO \_\_\_\_\_

Bro

d  
is,

- 1 **Complied with an Annual Inspection** I.A.W. IML Beechcraft Bonanza 36 inspection guide per chapter 05-20-00-001, Revision 22- July/2007.
- 2 **Accomplished Engine Compression Check** #1 74/80, #2 74/80, #3 74/80, #4 72/80, #5 74/80, #6 72/80.
- 3 **Accomplished oil and oil filter change** I.A.W. Beech G36 M/M per chapter 12-10-00. Installed new oil filter P/N CH48109-1. Serviced with 11 qts Aeroshell 100 plus oil. Leak checked ok.
- 4 **Accomplished oil analysis** using Aviation Laboratories Kit P/N G.A.-001.
- 5 **C/W AD 2007-04-19R1 Superior Air Parts** To prevent cylinder separation that can lead to engine failure. Checked records and found **not applicable by engine manufacture date** Superior Air Parts Cylinders not installed. No further action required.
- 6 **Removed cracked #2, 4 & 6 Baffle Assy.** (P/N 36-910037) and installed new #2, 4 & 6 Baffle Assy. (P/N 36-910037) I.A.W. Bonanza MM CH. 71-00-00.
- 7 **Removed and replaced all rocker box cover gaskets** with new and leak checked ok I.A.W. IO-550B engine M/M ch. 72-00-00.
- 8 **Removed spark plugs and had reconditioned, gapped and test by Aircraft Spark Plug Services, reinstalled reconditioned plugs and operational checked ok** I.A.W. IO-550B M/M.

END

I certify this aircraft/engine/propeller has been inspected IAW current Federal Aviation Regulations part 43 appendix "D" (annual or 100 hour) inspection. Only the items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

*Garland C. Minter*  
Signature

Garland C. Minter

Inspector  
Title

14-Feb-08  
Date

CNZ2924C  
CRS #

N/A  
EASA #

11/08/2008

TACH TIME: 172.9

CHANGED OIL (AEROSHELL TWSO) AND FILTER (CH48109-1).

*W. Mallory*  
A-P1510862



MODEL G-36  
 S/N E-3749  
 REG. NO. N900TD  
 ENG MOD IO-550B39B  
 ENG TSN 176.8  
 ENG TSO \_\_\_\_\_

818-756-2100  
 7240 HAYVENHURST AVENUE

## ENGINE LOGBOOK INSERT SINGLE ENGINE

DATE 9-Jan-09  
 W.O. # 21-04-2765  
 HOBBS 176.8  
 ENG S/N 688487  
 ENG CSN \_\_\_\_\_  
 ENG CSO \_\_\_\_\_

- 1 C/W G36 Annual Inspection , I.A.W. G36 IML Rev.26 DATED Oct. 2008 M/M Ch. 05-20-00.
- 2 Accomplished oil & filter change, serviced with 11 quarts of Aeroshell 15/50W Detergent Oil, & Filter P/N CH48109-1, I.A.W. G36 MM Ch. 12-05-00.
- 3 Accomplished oil analysis using Aviation Laboratories Kit P/N G.A.-001.
- 4 Accomplished Engine Compression Check #1 76/80, #2 70/80, #3 70/80, #4 68/80, #5 74/80, #6 72/80.
- 5 Removed all engine spark plugs for reconditioning, regapping and testing. C/W by Aircraft Spark plug Services, and Reinstalled serviceable spark plugs P/N RHB 32S and Accomplished functional check I.A.W. G36 M/M Ch. 71-00-00 & 12-20-00.
- 6 Removed #1 Cylinder for scrapes to cylinder wall causing spark plug to fowl with oil and cylinder repaired by Pacific Continental Engined CRS# TZ3R885L, W.O. N6260 with cylinder TSN 176.8 hours. Installed repaired cylinder and complied with TCM SB M89-7R1 section 1 A1 thru A5 with no faults noted.

----- END -----

I certify this aircraft/engine/propeller has been inspected IAW an Annual or 100 hour Inspection Using the Manufactures Model G36 Inspection Guides as listed in the Manufactures Maintenance Manual which meets the intent of current Federal Aviation Regulations part 43 appendix "D". Only the items specified in the Work Order have been inspected and found to be Airworthy and Returned to Service. No other representations concerning Airworthiness are expressed or implied.

William R. Barnes *William R. Barnes*  
 Signature \_\_\_\_\_  
CNZ2924C  
 CRS # \_\_\_\_\_ EASA # \_\_\_\_\_

Inspector  
 Title \_\_\_\_\_  
9-Jan-09  
 Date \_\_\_\_\_

Date 5/11/09 N900TD

**Midwest Aviation Services, Inc.**

Tach/Hobbs: 191.7

ENG. TT: 191.7

Engine oil and filter change c/w. Filter inspected with no contamination noted. Oil sample taken.

Serviced with Aeroshell 15W50 and installed a CH48109-1 filter.

Compression check performed using CSB 03-3 for guidance. Master oriface Reading 47/80 allowable leakage.

#1(76), #2(74), #3(71), #4(72), #5(74), #6(72).

Engine washed, ground ran and no leaks noted at this time.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 8235

SIGNATURE \_\_\_\_\_

for CRS MW8RS657W

Date

Date: 9/4/09 N900TD

**Midwest Aviation Services,**

**Record**  
il Inspections,

Tach/Hobbs: 204.2

ENG. TT:

SMOH:

Brought Forward

Replaced right side accessory drive seal 25102-----END-----

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 8291

SIGNATURE  for CRS MW8R657W

Date 2/01/10 N900TD

**Midwest Aviation Services, Inc.**

Tach/Hobbs: 220.0

ENG. TT: 220.0

Completed Annual inspection this date using Hawker Beechcraft inspection form, chap. 5-20-00 for guidance. Compressions: #1(78), #2(70), #3(72), #4(64), #5(72), #6(70). Oil and filter change c/w. Oil sample taken. Filter inspected finding no contaminants at this time. Installed a CH 48109-1 filter and serviced with Aeroshell 15W50. Fuel servo inlet screen and injectors inspected and cleaned. #1 cylinder push rod seals replaced. Spark plugs cleaned, inspected, gapped, tested and rotated. Engine washed, ground ran and no leaks noted at this time.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 8667

SIGNATURE  for CRS MW8RS657W

Date 5/27/10 N900TD

**Midwest Aviation Services, Inc.**

Tach/Hobbs: 250.1

ENG. TT: 250.1

Engine oil and filter change c/w. Filter inspected with no contamination noted. Serviced with Aeroshell 15w50 and installed a CH48109-1 filter. Oil sample taken. Air conditioner compressor replaced. p/n36-5550003-1, s/n10110703ICT installed. Drive belt replaced, p/n646293-34.00 installed. System serviced with 134A freon. Installed GAMI injectors per STC SE09217SC. GAD 13AA, s/n20049. FAA 337 filed. Aircraft records revised to reflect this change. Engine washed, ground ran and no leaks noted at this time.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 8922

SIGNATURE  for CRS MW8RS657W

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

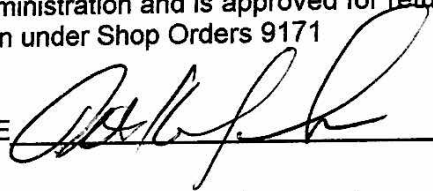
Brought Forward →

Date 10/13/10 N900TD **Midwest Aviation Services, Inc.**

Tach/Hobbs: 293.0 EngTT: 293.0 SMOH:

Drained oil, replaced filter with new CH48109-1 filter. Cut open old filter and inspected.  
P/N S6250 oil quick drain installed.  
Induction air filter replaced P/N P13-7627  
Serviced engine with 11 qts Aeroshell 15W50. Oil sample taken. Washed and ground ran engine, no leaks noted at this time.-----END-----

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Orders 9171

SIGNATURE  for CRS MW8R657W

Date 3/7/2011 N900TD **Midwest Aviation Services, Inc.**

Tach/Hobbs: 322.9 EngTT: 322.9 SMOH:

Completed Annual Inspection as per FAR Part 43 Appendix D and Beechcraft G36 Maintenance Manual. Check cylinder compressions (1)76 (2)78 (3)70 (4)76 (5)74 (6)72  
Drain oil and replace filter with new CH48109-1. Service with Aeroshell 15W50.  
Inspect old filter for contaminants, none noted. Clean fuel nozzles & servo screen.  
Clean & check spark plugs. Inspect mags & check timing. Tighten airconditioner belt.  
Retorque Rt. exhaust ball joint hardware. Wash engine and check for leaks.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Orders 9332

SIGNATURE  for CRS MW8R657W

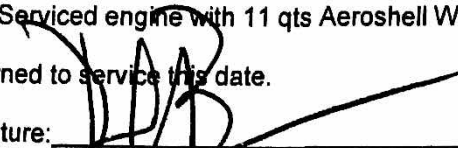


Airframe Log Entry

Reg # N900TD MFG Beechcraft Model G36 Serial # E-3749  
Tach TT 375 Hr Meter 375

" Serviced engine with 11 qts Aeroshell W100, CH48109 filter

Returned to service this date.

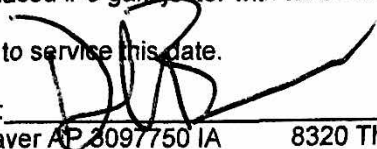
Signature:  Date: 9/12/2011  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379,  
281-376-6664

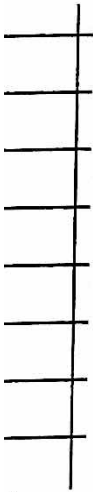
Engine Log Entry

Reg # N900TD MFG Continental Model IO550B39 Serial # 68848  
SNEW/SMOH 428 TT 428 Hr Meter 428

" Serviced engine with 11 qts Aeroshell W100, CH48109 filter, AOA sample taken  
" Replaced # 5 gamijector with tuned nozzle

Returned to service this date.

Signature:  Date: 1/16/2012  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-66



Engine Log Entry

Reg # N900TD MFG Continental Model IO550B39 Serial # 688487  
SNEW/SMOH 428 TT 428 Hr Meter 428

- " Researched AD's thru 2012-08 (summary provided) AD11-25-51 DNA, AD12-03-06 DNA
- " Inspected cylinders IAW SID 97-2 (bore scope & comp tests) satisfactory
- " Timed mags IAW data plate
- " Cleaned gapped and tested spark plugs
- " Cleaned injector nozzles with ultrasonic cleaner
- " Replaced induction air filter 35-380035-7
- " Capacity tested main ships battery satisfactory
- " Replaced gami-jectors # 1 & 2 with tuned units from GAMI, owner to re-do flight test

I certify this engine was inspected in accordance with a 100 hour/Annual inspection and is determined to be in airworthy condition. Returned to service this date.

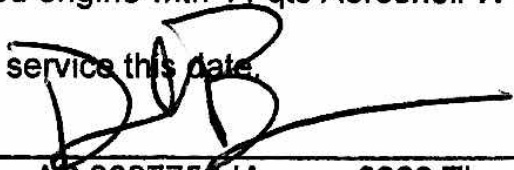
Signature:  Date: 5/10/2012  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

Engine Log Entry

Reg # N900TD MFG Continental Model IO550B39 Serial # 688487  
SNEW/SMOH 520 TT 520 Hr Meter 520

" Serviced engine with 11 qts Aeroshell W100, CH48109 filter, AOA sample taken

Returned to service this date.


Signature:  Date: 1/17/2013  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379,  
281-376-6664

Engine Log Entry

Reg # N900TD MFG Continental Model IO550B39 Serial # 688487  
SNEW/SMOH 556 TT 556 Hr Meter 556

- " Researched AD's thru 2013-10 (summary provided) AD12-10-13 DNA
- " Inspected cylinders IAW SID 97-2 (bore scope & comp tests) satisfactory, removed cylinder # 4 for repair by TCM factory service center (WO# CS-1107), replaced both rocker shafts 652984
- " Removed mags for 500 hour inspection by Aircraft Systems (WO# 47949) Timed mags IAW data plate
- " Cleaned gapped and tested spark plugs, replaced 1 each RHB-32S
- " Cleaned injector nozzles with ultrasonic cleaner
- " Replaced induction air filter 35-380035-7
- " Capacity tested main ships battery satisfactory
- " Serviced engine with 11 qts Aeroshell W100 and CH48109 filter
- " Sealed up baffling with RTV108
- " Removed alternator for 500 hour inspection by Aircraft Systems (WO# 47951)
- " Checked fuel system calibration IAW SID 97-3E

I certify this engine was inspected in accordance with a 100 hour/Annual inspection and is determined to be in airworthy condition. Returned to service this date.

Signature:  Date: 6/11/2013  
David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

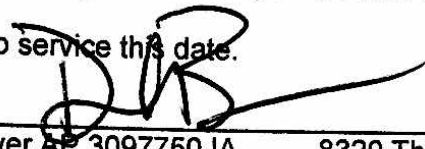
Engine Log Entry

Reg # N900TD MFG Continental Model IO550B39 Serial # 688487  
SNEW/SMOH 607 TT 607 Hr Meter 607

" Serviced engine with 11 qts Aeroshell W100 and CH48109 filter, AOA sample taken

Returned to service this date.

Signature:



Date: 11/4/2013

David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

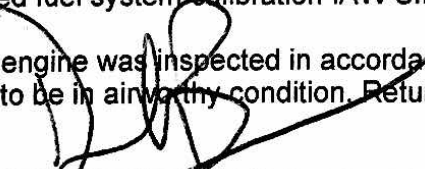

Engine Log Entry

Reg # N900TD MFG Continental Model IO550B39 Serial # 688487  
SNEW/SMOH 652 TT 652 Hr Meter 652

- " Researched AD's thru 2014-12 (summary provided) AD14-05-29 DNA
- " Inspected cylinders IAW SID 97-2 (bore scope & comp tests) satisfactory, removed cylinder # 6 for replacement with new assy 658175A3BP, replaced both lifters 658077 & 658088, installed IAW SB
- " Timed mags IAW data plate
- " Cleaned gapped and tested spark plugs, replaced all 12 RHB-32S with serviceable spares
- " Cleaned injector nozzles with ultrasonic cleaner
- " Replaced induction air filter 35-380035-7
- " Serviced engine with 11 qts Aeroshell W100 and CH48109 filter
- " Adjusted throttle control as needed
- " Checked fuel system calibration IAW SID 97-3E

I certify this engine was inspected in accordance with a 100 hour/Annual inspection and is determined to be in airworthy condition. Returned to service this date.

Signature:



Date: 7/9/2014

David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

Engine Log Entry

Date

Reg # N900TD MFG Continental Model IO550B39 Serial # 688487  
 SNEW/S MOH 652 TT 652 Hr Meter 652

**ance Record**  
 is, Special Inspections,

Brought Forw

- " Researched AD's thru 2014-12 (summary provided) AD14-05-29 DNA
- " Inspected cylinders IAW SID 97-2 (bore scope & comp tests) satisfactory, removed cylinder # 6 for replacement with new assy 658175A3BP, replaced both lifters 658077 & 658088, installed IAW SB
- " Timed mags IAW data plate
- " Cleaned gapped and tested spark plugs, replaced all 12 RHB-32S with serviceable spares
- " Cleaned injector nozzles with ultrasonic cleaner
- " Replaced induction air filter 35-380035-7
- " Serviced engine with 11 qts Aeroshell W100 and CH48109 filter
- " Adjusted throttle control as needed
- " Adjusted fuel system calibration IAW SID 97-3E
- " Adjusted throttle control handle position as needed
- " Adjusted gear warning horn set point IAW Beech MM

I certify this engine was inspected in accordance with a 100 hour/Annual inspection and is determined to be in airworthy condition. Returned to service this date.

Signature:  Date: 7/21/2014  
 David Beaver AP 3097750 IA 8320 Thora Lane, #F-1, Spring, TX 77379, 281-376-6664

ENGINE MODEL:  
 IO-550-B39  
 ENGINE S/N: 688487  
 REG. NO: N900TD  
 WORK ORDER:  
 3732-01-2015



**Houston Aviation Center, LLC**

12888 Hwy 6 S Ste 113  
 Sugar Land, TX 77498 USA  
 Phone: 281-494-5800

DATE: 1/21/2015  
 A/C TSN: 703.7  
 ENG TT: 703.7  
 HOBBS: 703.7

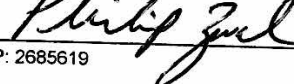
**Engine Entries**

Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n AA48109 and serviced engine with 11 Qts. Aeroshell W100. Ran engine and checked for leaks.

**Maintenance Release**

The aircraft and/or component(s) on N900TD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3732-01-2015.

DATE: 1/21/2015

SIGNED:   
 Zwahr P, A&P: 2685619

Work Order: 3732-01-2015

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ENGINE MODEL:  
 IO-550-B39  
 ENGINE S/N: 688487  
 REG. NO: N900TD  
 WORK ORDER:  
 3959-06-2015



**Houston Aviation Center, LLC**

12888 Hwy 6 S Ste 113  
 Sugar Land, TX 77498 USA  
 Phone: 281-494-5800

DATE: 7/20/2015  
 A/C TSN: 730.9  
 ENG TT: 730.9  
 HOBBS: 730.9

**Engine Entries**

Completed a 100 HR/Annual Inspection this date using Beechcraft Bonanza Inspection Guide 05-20-00-001. Ref. Beechcraft Bonanza Series Maintenance Manual P/n 36-590001-9 Rev. C8 and TCM Overhaul and Maintenance Manual M-16. Inspected intake and exhaust systems for leaks. Performed cylinder compression test using a differential compression tester with a calibrated orifice value of 46 psi as follows: #1/69, 2/57, 3/66, 4/64, 5/60, 6/74 over 80 psi. Inspected cylinders per TCM SID97-2B and SB03-3. Drained oil and inspected filter for contaminants (oil sample taken). Installed new oil filter P/n AA48109 and serviced engine with 11 Qts. Aeroshell W100. Ran engine and checked for leaks. Inspected and cleaned all fuel injector nozzles. Reinstalled nozzles in their assigned positions. Inspected and cleaned fuel controller inlet screen. Purged fuel system and checked for leaks. C/W TCM SID97-3F Continuous fuel flow injection system operation. Installed (12) new spark plugs P/n URHB32E. Checked AD's thru BW 2015-14.... Installed new LH and RH magneto gasket P/n 649954. Leak and operational check satisfactory.... Adjusted LH & RH magneto timing to 22 degrees BTC. Operational check satisfactory.... I certify that this Engine has been inspected in accordance with a 100Hr/Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N900TD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3959-06-2015.

DATE: 7/20/2015

SIGNED:   
 Fouad Hussain, A&P: 3204861 IA

Work Order: 3959-06-2015

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Brought Forward

Hrs. Min. Hrs. Min. Modifications and Service Bulletins

ENGINE MODEL:  
IO-550-B39  
ENGINE S/N: 688487  
REG. NO: N900TD  
WORK ORDER:  
4471-06-2016



**Houston Aviation Center, LLC**

12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498 USA  
Phone: 281-494-5800

DATE: 7/21/2016  
A/C TSN: 785.5  
ENG TT: 785.5  
HOBBS: 785.5

**Engine Entries**

Completed a 100 HR/Annual Inspection this date using Beechcraft Bonanza Inspection Guide 05-20-00-001. Ref. Beechcraft Bonanza Series Maintenance Manual P/n 36-590001-9 Rev. C8 and TCM Overhaul and Maintenance Manual M-16. Inspected intake and exhaust systems for leaks. Performed cylinder compression test using a differential compression tester with a calibrated orifice value of 42 psi as follows: #1/65, 2/58, 3/64, 4/60, 5/66, 6/75 over 80 psi. Inspected cylinders per TCM SID97-2B and SB03-3. Drained oil and inspected oil filter for contaminants (AOA sample taken). Installed new oil filter P/n AA48109 and serviced engine with 11 Qts. Aeroshell W100. Ran engine and checked for leaks. Inspected and cleaned fuel controller inlet screen. Purged fuel system and checked for leaks. C/W TCM SID97-3G Continuous fuel flow injection system operation. Cleaned, gapped and tested spark plugs. Checked ADs thru BW 2016-14.... Installed new Standby Alternator garloc seal P/n 25102, and new gaskets P/n 653487 and 654012. Ran engine and checked for leaks.... Installed new #6 cylinder OB push rod shroud o-rings P/n 534610, and new valve cover gasket P/n SA53857. Ran engine and checked for leaks.... I certify that this Engine has been inspected in accordance with a 100HR/Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N900TD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 4471-06-2016.

DATE: 7/21/2016

SIGNED:

Fouad Hussain, A&P: 3204861 IA

Work Order: 4471-06-2016

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**Aircraft Maintenance**



Reg#: N900TD

Engine:

IO-550 B39B

TACH:

880.8

SMOH:

880.8

Date: 07/24/2017

S/N: 688487

Compressions checked: #1 68/80 #2 58/80 #3 60/80 #4 66/80 #5 64/80 #6 70/80. Borescoped #2 cylinder and found no visual defects at this time. Spark plugs cleaned, gapped and pressure tested. Magneto timing checked IAW data plate spark advance. Reset r/h magneto timing. Drained engine oil and changed oil filter with new CH48109-1 oil filter. Cut open filter and found no metal. Added 12 qt Aeroshell W100 oil. Oil taken and sent off. Inspected engine controls - found satisfactory. Engine was test run and was OK.

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

Dustin David

A&P 3308759 IA

ENGINE MODEL:  
IO-550-B39  
ENGINE S/N: 688487  
REG. NO: N900TD  
WORK ORDER:  
5340-07-2018



**Houston Aviation Center, LLC**

12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498 USA  
Phone: 281-494-5800

DATE: 8/31/2018  
A/C TSN: 956.5  
ENG TT: 956.5  
HOBBS: 956.5

**Engine Entries**

Completed a 100 HR/Annual Inspection this date using Beechcraft Bonanza Inspection Guide 05-20-00-001. Ref. Beechcraft Bonanza Series Maintenance Manual P/n 36-590001-9 Rev. C8 and CMG M-16. Inspected intake and exhaust systems for leaks. Performed cylinder compression test using a differential compression tester with a calibrated orifice value of 45 psi as follows: #1/70, 2/30, 3/60, 4/60, 5/35, 6/61 over 80 psi. Inspected cylinders per TCM SID97-2B and SB03-3. Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48109 and serviced engine with 11 Qts. Aeroshell 100 Mineral Oil. Ran engine and checked for leaks. Inspected and cleaned fuel controller inlet screen. Purged fuel system and checked for leaks. C/W TCM SID97-3G Continuous fuel flow injection system operation. Cleaned, gapped and tested spark plugs. Checked ADs thru BW 2018-17. AD 2016-16-12 (Amendment 39-18610) ECI Class 71 or Class 76 Cylinder Assy. Failures is N/A by affected cylinder assemblies are not installed.... Removed #2 cylinder P/n 658552A1, S/N AC06FB949, and #5 cylinder P/n 658552A1, S/N AC06GA480. Installed new #2 cylinder P/n 658552A3, S/N AC18AB928 with new piston pin P/n 630046, and new #5 cylinder P/n 658552A2, S/N AC18EA216, with new piston P/n 654857, and new piston pin P/n 630046. Operational check satisfactory.... Installed new crankshaft nose seal P/n 641250. Leak check satisfactory.... I certify that this Engine has been inspected in accordance with a 100 HR/Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N900TD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 5340-07-2018.

DATE: 8/31/2018

SIGNED:

Elijah D. Derbecker, A&P: 3757478 IA

Work Order: 5340-07-2018

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