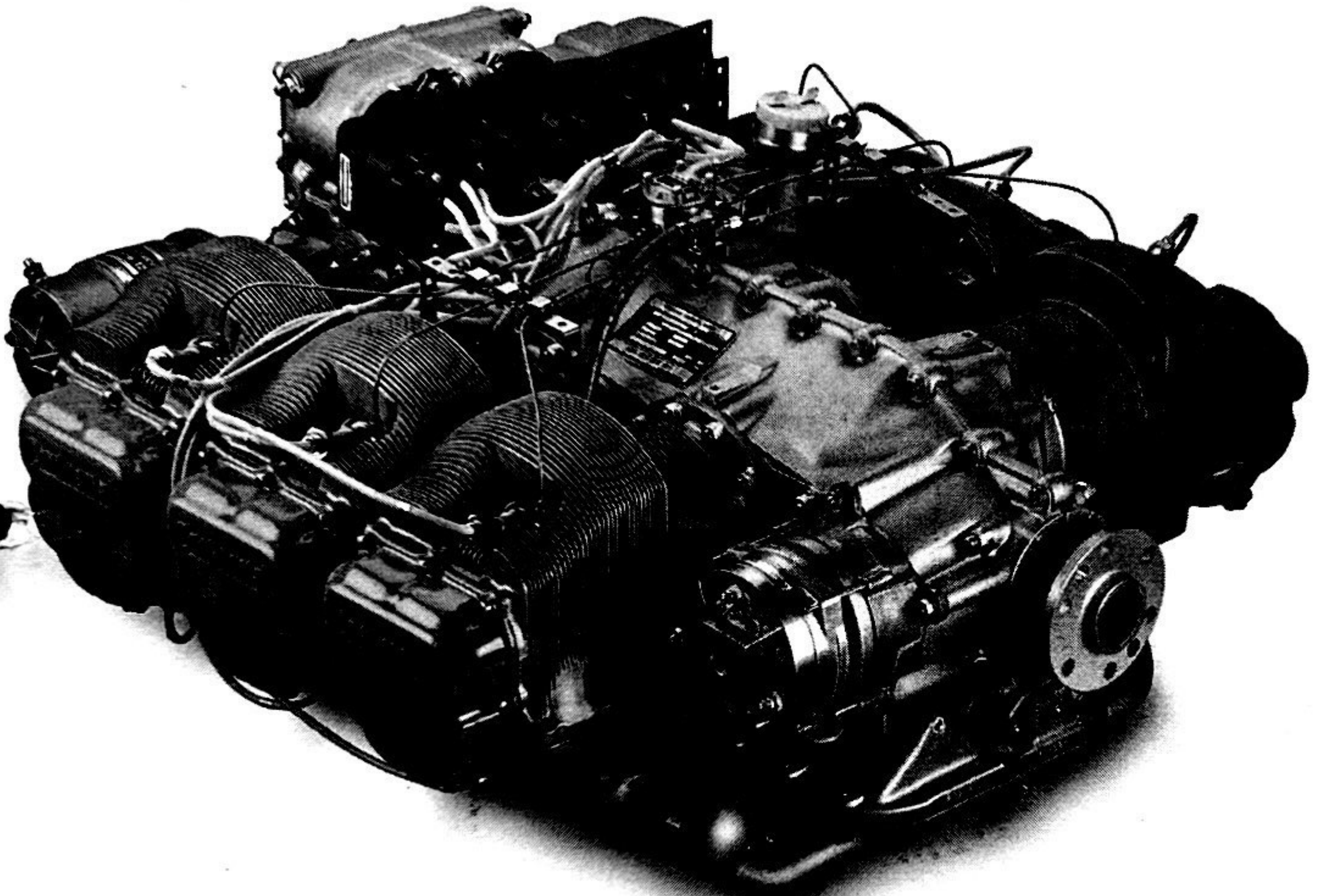


E-3727

ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

**Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310**

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



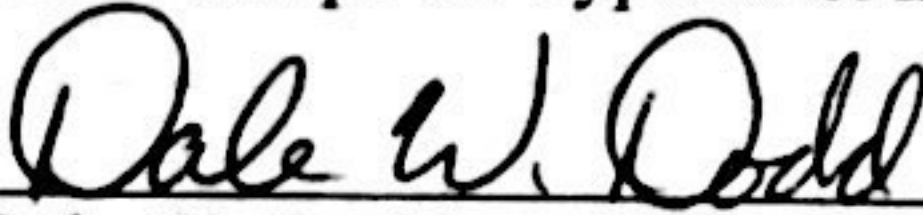
Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 05/30/2006

This engine model 10550B39, Serial No. 688464 was manufactured on 05/28/2006 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY
PRODUCTION CERTIFICATE NO. 505

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
8-4-06	0	0	0	0	This engine has been installed on aircraft serial number E-3727 and has been fully charged with Phillips 66 Type M SAE 20W-50.  Dale W. Dodd FOR RAYTHEON AIRCRAFT CO. PC#8


Raytheon Aircraft Services FTY FAA CRS ERYR682D
 3992 Aviation Circle Atlanta Georgia 30336
 404-699-9200

N27FB SN: E-3727 AFTT: 24.1 Date: 9-8-2006
Engine Model IO-550-B (39) Engine SN: 688464 TSN: 24.1

- Ran engine to heat oil allow for proper servicing. Drained oil and serviced with 11 Quarts of Aeroshell Oil 100. Removed and replaced oil filter PN CH48109-1. Ops check and leak check good at this time. All work done IAW IO-550 MM.

I certify that with respect to the work performed this Airframe 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. Details are on file under work order number: 11-04-2373

Authorized Signature:  Robert Burns


Raytheon Aircraft Services FTY FAA CRS ERYR682D
 3992 Aviation Circle Atlanta Georgia 30336
 404-699-9200

N27FB SN: E-3727 AFTT: 76.9 Date: 10-23-2006
Engine SN: 688464 TSN: 76.9

- Drained oil and serviced with 11 Quarts of Aeroshell Oil 100. Removed and replaced oil filter PN CH48109-1. Ops check and leak check good at this time. All work done IAW IO-550 MM.

I certify that with respect to the work performed this Powerplant 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. Details are on file under work order number: 11-04-2759.

Authorized Signature:  Bob Congrove

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought For



Raytheon Aircraft Services FTY FAA CRS ERYR682D
3992 Aviation Circle Atlanta Georgia 30336
404-699-9200



N27FB SN: E-3727 AFTT: 120.8 Date: 12-19-2006
Engine SN: 688464 TSN: 120.8

1. Drained oil and serviced with 11 Quarts of Aeroshell Oil 15W/50. Removed and replaced oil filter PN CH48109-1. Ops check and leak check good at this time. All work done IAW IO-550 MM.

I certify that with respect to the work performed this Powerplant 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. Details are on file under work order number: 11-04-3281.

Authorized Signature: *Bob Congrove* Bob Congrove



Raytheon Aircraft Services FTY FAA CRS ERYR682D
3992 Aviation Circle Atlanta Georgia 30336
404-699-9200



N27FB S/N: E-3727 AFTT: 151.6 Date: Feb 14, 2007
Engine SN: 688464 TSN: 151.6

1. Drained oil and serviced with 11 Quarts of Aeroshell Oil 15W/50. Removed and replaced oil filter PN CH48109-1. Ops check and leak check good at this time. All work done IAW IO-550 MM.

I certify that with respect to the work performed this Powerplant 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. Details are on file under work order number: 11-04-3747

Authorized Signature: *Bob Burns* Date: Feb 14, 2007



Raytheon Aircraft Services FTY FAA CRS ERYR682D
3992 Aviation Circle Atlanta Georgia 30336
404-699-9200



N27FB S/N: E-3727 AFTT: 198.7 Date: April 26, 2007
Engine SN: 688464 TSN: 198.7

1. Drained oil and serviced with 11 Quarts of Aeroshell Oil 15W/50. Removed and replaced oil filter PN CH48109-1. Ops check and leak check good at this time. All work done IAW IO-550 MM.

I certify that with respect to the work performed this Powerplant 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. Details are on file under work order number: 11-04-4425

Authorized Signature: *Bob Burns* Date: April 26, 2007

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				



Raytheon Aircraft Services ITY FAA CRS ERYR682D
 3992 Aviation Circle Atlanta Georgia 30336
 404-699-9200



N27FB S/N: E-3727 AFTT: 327.3 Date: Nov 13, 2007
Engine SN: 688464 TSN: 327.3

1. Drained oil and serviced with 11 Quarts of Aeroshell Oil 15W/50. Removed and replaced oil filter PN CH48109-1. Ops check and leak check good at this time. All work done IAW IO-550 MM.
2. Adjusted engine cowl flaps. Ops checked good. All work done IAW Bonanza G36 MM, Chp. 71-00.

I certify that with respect to the work performed this Powerplant 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. Details are on file under work order number: 11-04-6069

Authorized Signature: Robert Burns Date: Nov 13, 2007
 Robert Burns

N27FB HM 387.3
 APRIL 7, 2008 - CHANGED OIL
 & FILTER, AS 15W50 OIL
 AP 1942189

CRS# YBJR768L

LANDMARK AVIATION
 1005A, Sycolin Road
 Leesburg Municipal Airport, Leesburg VA-20175
 Tel: (703) 771-0188 Fax: (703) 779-0435

DATE: 05-23-2008
 REG: N27FB
 MODEL: IO-550-B (39)
 HOBBS: 398.4

WORK ORDER: S008380
 MAKE: Teledyne Continental
 S/N: 688464
 TT: 398.4

INSPECTION(S):

- Complied with at annual inspection referencing Hawker Beechcraft 36 100 hour/annual long form inspection guide P/N 98-32227 Rev L dated 07-01-2007.
- Compressions: #1 66/80, #2 60/80, #3 68/80, #4 65/80, #5 70/80, #6 70/80.

MAINTENANCE:

- Adjusted idle mixture, low and high RPM fuel pressure in accordance with SID 97-3D.
- Cleaned all fuel injector nozzles and reinstalled. Next due at 498.4 TT.
- Changed oil and filter. Installed CH48109 filter and 11 quarts of Aeroshell 100 W Plus oil. Inspected old filter, no contaminants noted at this time. Took Sample.

Performed post inspection run-up and systems check. No leaks or defects noted at this time. See AD compliance forms for current status.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

Hawker Beechcraft

1980 Airport Rd.
Wichita, KS 67209
316-946-4300 Phone
316-946-4335 Fax
FAA Certified Repair Station BWVR672C
EASA Certified Repair Station No. 145.5086

SERVICES

ENGINE LOG

AIRCRAFT MODEL: BONANZA G36 **S/N:** E-3727 **REG. #:** N27FB
DATE: 06/12/2009 **FHM:** 611.7
ENGINE S/N: 688464

1. DRAINED OIL, REMOVED OIL FILTER, & INSPECTED FILTER. NO METAL FOUND. INSTALLED NEW OIL FILTER P/N CH48109-1 & SAFTIED. SERVICED ENGINE WITH 12 QTS. AEROSHELL 100W OIL IAW BONANZA 36 SERIES M/M CH. 12-10-00. OPS & LEAK CHECKS SATISFACTORY.

I CERTIFY THAT THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH FAA REGULATIONS AND, FOR THE WORK PERFORMED ONLY, WAS FOUND AIR WORTHY AND IS APPROVED FOR RETURN TO SERVICE.
FAA CERTIFIED REPAIR STATION BWVR672C EASA CERTIFIED REPAIR STATION 145.5086

AUTHORIZED SIGNATURE: *Ross Frank* QUALITY ASSURANCE INSPECTOR
PRINTED NAME: Ross Frank
WORK ORDER NUMBER(S): 05-04-4557



LANDMARK AVIATION

1005A, Sycolin Road
Leesburg Municipal Airport, Leesburg VA-20175
Tel: (703) 771-0188 Fax: (703) 779-0435

CRS# YBJR768L

DATE: 08-26-2009
REG: N27FB
MODEL: IO-550-B (39)
HOBBS: 663.2

WORK ORDER: S20-09-00302
MAKE: Teledyne Continental
S/N: 688464

- Changed oil and filter. Installed CH48109-1 filter and 11 quarts of Aeroshell 100W Plus oil. Inspected old filter, no contaminants noted at this time. Took Sample.

Performed post maintenance systems check of aforementioned repair(s). No defects noted at this time.

THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND CURRENT MANUFACTURERS MANUALS AND WAS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE REFERENCED WORK ORDER.

[Signature]
SIGNATURE



LANDMARK AVIATION

1005A, Sycolin Road
Leesburg Municipal Airport, Leesburg VA-20175
Tel: (703) 771-0188 Fax: (703) 779-0435

CRS# YBJR768L

DATE: 02-22-2010
REG: N27FB
MODEL: IO-550-B (39)
HOBBS: 720.5

WORK ORDER: S20-10-00570
MAKE: Teledyne Continental
S/N: 688464

- Changed oil and filter. Installed CH48109-1 filter and 11 quarts of Aeroshell 80W Plus oil. Inspected old filter, no contaminants noted at this time. Took Sample.

Performed post maintenance systems check of aforementioned repair(s). No defects noted at this time.

THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND CURRENT MANUFACTURERS MANUALS AND WAS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE REFERENCED WORK ORDER.

[Signature]
SIGNATURE

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Flight Forward	→				

CRS# YBJR768L



1005A, Sycolin Road
Leesburg Municipal Airport, Leesburg VA-20175
Tel: (703) 771-0188 Fax: (703) 779-0435

DATE: 10-29-2010
REG: N27FB
MODEL: IO-550-B (39)
HOBBS: 879.1

WORK ORDER: S20-10-00992
MAKE: Teledyne Continental
S/N: 688464

- Changed oil and filter. Installed CH48109-1 filter and 11 quarts of Aeroshell 80W Plus oil. Inspected old filter, no contaminants noted at this time. Took Sample.

Performed post maintenance systems check of aforementioned repair(s). No defects noted at this time.

THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND CURRENT MANUFACTURERS MANUALS AND WAS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE REFERENCED WORK ORDER.

[Signature]
SIGNATURE

CRS# YBJR768L



1005A, Sycolin Road
Leesburg Municipal Airport, Leesburg VA-20175
Tel: (703) 771-0188 Fax: (703) 779-0435

DATE: 09-26-2011
REG: N27FB
MODEL: IO-550-B (39)
HOBBS: 933.9

WORK ORDER: S20-11-01507
MAKE: Teledyne Continental
S/N: 688464

- Changed oil and filter. Installed CH48109-1 filter and 11 quarts of Aeroshell 80W Plus oil. Inspected old filter, no contaminants noted at this time.

Performed post maintenance systems check of aforementioned repair(s). No defects noted at this time.

THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND CURRENT MANUFACTURERS MANUALS AND WAS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER THE REFERENCED WORK ORDER.

[Signature]
SIGNATURE

↓
TO PAGE 12

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward



DOMINION AVIATION

Date: 7/13/2011; Aircraft: 27FB; Type: G36; S/N: E3727; Hobbs: 903.2;
 Total Time: 903.2; Engine - Type: IO-550-B39, S/N: 688464, Time: 903.2;
 Prop - Type: PHC-C3YF-1RF, S/N: EE5565B, Time: 903.2

****ENGINE****

- Complied with the Annual Inspection in accordance with Dominion Aviation Services FORM 0100 which meets the requirements of FAR 43 appendix D and with reference to Beech G-36 Annual Inspection Guide p/n 98-32227R .
- Using aircraft logs and ATP AD profile revision dated 6/30/11 checked AD's.
- Complied with a compression check on all engine cylinders. The readings were as follows: #1 - 48/80, #2 - 66/80, #3 - 30/80, #4 - 18/80, #5 - 66/80, #6 - 72/80. Minimum orifice reading: 40/80. PME 64 & 66 Calibrated 11-2010 and calibration orifice p/n: 646953A
- Complied with the oil and filter change. Installed new oil filter p/n CH48109-1. Cut open the old filter and found no defects. 12 qts Shell 100 mineral added.
- Spark Plugs were serviced
- Removed, inspected, and cleaned the fuel injection servo inlet screen. No defects noted. Reinstalled the screen and secured the fuel plug with new gasket p/n 649983.
- Removed # 3 cylinder due to low compression. Clean parts . Drain oil and install 12 qts Shell 100 mineral oil. install new filter. References for removal and install TCM IO-550 Overhaul Manual X30568A (10/2000) chapters 15 & 18. TCM IO-550 MM X30634A (4/2001) pages 19-33, 19-34 and 19-36. Beech G-36 MM chapter 71-00-00 pages 201 & 202. Bleed down lifters. Installed repaired IO-550B cylinder assembly p/n 655484A4 s/n AC06DA656 in # 3 position. Repair made by Aerodyne Corp CRS # H01R-199K on w/o 19738. Used gasket set SA550-T1 supplied with cylinder. 12 qts. Shell 100 mineral oil installed. Engine run up per TCM SB M89-7 rev. 1 (8/4/89) Engine Operation After Cylinder Replacement paragraph III A. No oil leaks at oil filter or #3 cylinder. Reference TCM IO-550 MM X30634A (4/2001) section 19, TCM IO-550 Overhaul Manual X30568A (10/2000) chapters 15 and 18 and Beech G-36 MM chapter 71-00-00 pages 201 - 202.
- Removed # 4 cylinder due to low compression. Clean parts .References for removal and install TCM IO-550 Overhaul Manual X30568A (10/2000) chapters 15 & 18. TCM IO-550 MM X30634A (4/2001) pages 19-33, 19-34 and 19-36. Beech G-36 MM chapter 71-00-00 pages 201 & 202. Bleed down lifters. Installed repaired IO-550B cylinder assembly p/n 655484A4 s/n AC06DA602 in # 4 position. Repair made by Aerodyne Corp CRS # H01R-199K on w/o 19738. Used gasket set SA550-T1 supplied with cylinder. Engine run up per TCM SB M89-7 rev 1 (8/4/89) Engine Operation After Cylinder Replacement paragraph III A. No oil leaks at #4 cylinder. Reference TCM IO-550 MM X30634A (4/2001) section 19, TCM IO-550 Overhaul Manual X30568A (10/2000) chapters 15 and 18 and Beech G-36 MM chapter 71-00-00 pages 201 - 202.
- Ran engine and found no oil leaks at oil filter.
- Leak checked fuel strainer with no leakage noted.
- Leak checked fuel injector inlet screen. No leakage noted.

I certify that this ENGINE has been inspected in accordance with a/an ANNUAL inspection and was determined to be in airworthy condition. Details on file at this facility.

Signature Robert Kennedy
 Work Order # 22601

Dominion Aviation CRS #ODAR018H
 7511 Airfield Drive
 Richmond, Virginia 23237
 (804) 271-7793

SERVICEABLE

COMPONENTS

CYLINDER Coat
 Component Name MFG. Name

IO550B AL2954
 Model Serial No.

REPAIRED O'HAULED TESTED INSP.

The aircraft component identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

OWNER EAST COAST AERO CLUB

WO. No. 1307 DATE 8-21-12

[Signature] A&P1427827

SIGNED FOR

AIRCRAFT CYLINDER REPAIR INC

120 PRESCOTT RD.

WHITINSVILLE, MA. 01588

TEL: 508-234-7707

Engine Service and Maintenance Record

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

✈ East Coast Aero Club
 200 Hanscom Drive, Suite 111
 Bedford, MA 01730

Registration	Date	Type	S/N	Tach
N27FB	07/27/2012	G-36	E3727	994.8

Drained oil. Removed oil filter and cut open for inspection with no defects noted. Installed new CH48109-1 oil filter, torqued to specifications, and safetied. Serviced sump with 11 quarts Aeroshell 100 Plus oil. Ground operational and leak checks performed with no defects noted.

Samuel Blanchard
 Samuel Blanchard
 A&P1885228

✈ East Coast Aero Club
 200 Hanscom Drive, Suite 111
 Bedford MA 01730

Registration	Date	Type	Serial Number	Tach
N27FB	08/27/2012	G36	E3727	994.8
AFTT	ETT	ETSOH	PTT	PTSOH
994.8	994.8	N/A	994.8	N/A

Performed annual inspection in accordance with 14 CFR Part 43 Appendix D using the checklist in the G36 Maintenance Manual as a guide. Performed cylinder compression test with the following results: #1 70/80, #2 54/80, #3 71/80, #4. 60/80, #5. 64/80 and #6 63/80. Removed baffling, exhaust, and intake from #1 cylinder. Removed rocker covers, valve train, and shrouds. Removed cylinder for repair by Aircraft Cylinder Repair Inc under WO 1307. Cylinder was removed at top dead center of compression stroke and crankcase through studs were torqued with washers and nuts prior to any crankshaft rotation. Installed repaired cylinder, furnished with fitted new piston rings and exhaust valve (see yellow tag for details) using a new base seal. Torqued mounting nuts in accordance with TCM specifications. Drained oil. Serviced with 10 quarts of 20W50 type M oil. Removed, cleaned, gapped, tested and reinstalled spark plugs using new gaskets. Replaced #3 upper spark plug with new RHB32S. Torqued to specifications and reattached the leads. Cleaned and serviced fuel servo inlet filter. Cleaned and serviced fuel nozzles and installed in cylinders as marked. Adjusted external magneto timing to specifications. Replaced cowling door anti-chafe tape. Conducted break in runs with cooling periods at intervals. Performed ground run from idle to maximum static RPM with no leaks or defects noted. I certify that this engine has been inspected in accordance with an annual inspection and is determined to be in airworthy condition.

John Dupé
 A&P2334833IA

[Signature]

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				



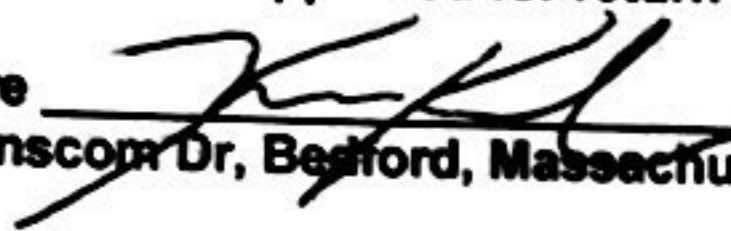
LOGBOOK SUPPLEMENT

COMPLIED WITH THE FOLLOWING MAINTENANCE TASKS:

DESCRIPTION
CHANGED OIL WITH 11 QUARTS OF AEROSHELL 100AD (SAE50) AND CH48109-1 FILTER REF MM CHAP 12-10-00 PAGE 2.
CONTAMINATION CHECK NORMAL REF AC43.13-1B, CHAP 8, PARAGRAPH 8-6. OIL SAMPLE TO LAB FOR ANALYSIS.
SWAPPED #6 & #4 EGT PROBES FOR MAINTENANCE CONVENIENCE, REMOVED AND REPLACED #4 EGT PROBE WITH NEW 86246
OPS TEST NORMAL REF: ALCOR EGT INSTALLATION INSTRUCTIONS

Model No: **G-36** Registration No: **N27FB** Serial No: **E-3727**
 Date: **05/30/2013** Hours: **1036.5**

The aircraft/airframe/engine/propeller identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work specified in Work Order **24822** except as otherwise noted is approved for return to service only for the work performed.

Authorized Signature 
 Jet Aviation, 380 Hanscom Dr, Bedford, Massachusetts 01730 FAA CRS JAVR120F



LOGBOOK SUPPLEMENT

ENGINE:

CM IO-550-B (39) S/N: 688464 ENTT: 1052.9
 COMPLIED WITH THE FOLLOWING INSPECTION TASKS:

PERFORMED 100 HOUR / ANNUAL INSPECTION I/AW HAWKER BEECHCRAFT CORP., BONANZA SERIES MAINTENANCE MANUAL "100 HOUR OR ANNUAL INSPECTION" CHECKLIST IN CHAPTER 5-20-00, REVISED APRIL 1, 2013
CHANGED OIL WITH 10 QUARTS OF PHILLIPS 20/50XC AND CH48109-1 FILTER I/AW MM CHAP 12-10-00 PAGE 2. CONTAMINATION CHECK NORMAL I/AW AC43.13-1B, CHAP 8, PARAGRAPH 8-6. OIL SAMPLE TO LAB FOR ANALYSIS. COMPRESSION CHECK: #1 - 57/80 #2 - 55/80 #3 - 70/80 #4 - 59/80 #5 - 64/80 #6 - 62/80
C/W ANNUAL/300 HOUR FUEL INJECTOR NOZZLES MAINTENANCE INSTRUCTIONS PER DOCUMENT FI-02

COMPLIED WITH THE FOLLOWING AD'S/SB'S:

AD 2009-16-03	FOUND TO BE N/A, NO SUPERIOR AIR PARTS CYLINDERS INSTALLED NO FURTHER ACTION REQUIRED
AD 2009-19-07C2	FOUND TO BE N/A BY ENGINE SERIAL NUMBER NO FURTHER ACTION REQUIRED
AD 2012-03-06C	FOUND TO BE N/A, NO AVSTAR FUEL SYSTEM DIAPHRAGMS INSTALLED NO FURTHER ACTION REQUIRED
TCM MSB94-8D	MAGNETO TO ENGINE TIMING REV D DATED 02/17/2010
TCM SB 96-12	CONTINUED AIRWORTHINESS INSTRUCTIONS FOR TCM CYLINDERS DATED 09/06/1996
TCM MSB95-2	INSPECTION OF ENGINE CABLES AND LINKAGES DATED 04/21/1995
TCM SB95-7	MANIFOLD VALVE COVER INSPECTION DATED 12/08/1995
TCM SID 97-3E	*PROCEDURES & SPECIFICATIONS FOR ADJUSTMENT OF TCM CONTINUOUS FLOW FUEL INJECTORS
TCM SID 97-2B	*TCM SID 97-2B - TCM TOP CARE HEALTH CHECK INSPECTION
TCM SB 03-3	DIFFERENTIAL PRESSURE TEST & BORESCOPE INSP. PROCEDURES DATED 3/28/2008
TCM SB 08-3A	*THROTTLE & MIXTURE CONTROL ARMS INSPECTION; NO DEFECTS NOTED AT THIS TIME
TCM SB09-4A	CRANKCASE INSPECTION OF ENGINES EQUIPPED WITH A/C COMPRESSORS, NO DEFECTS NOTED, NEXT DUE 1552.9 OR 12 MONTHS.

Model No: **A36** Registration No: **N27FB** Serial No: **E-3727**
 Date: **10/01/2013** Hours: **1052.9**

I certify that this aircraft/airframe/engine/propeller has been inspected in accordance with a **100 Hour/Annual** inspection including the scope and detail of FAR 43 Appendix D, as applicable, as required by FAR 91.409 (a) and is determined to be in airworthy condition. Pertinent details are on file at this repair station under work order(s) **25082**.

Authorized Signature 
 Jet Aviation, 380 Hanscom Dr, Bedford, Massachusetts 01730 FAA CRS JAVR120F

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

ENGINE MODEL:
ENGINE S/N:
REG. NO: N27FB
WORK ORDER:
1941-04-2016



Trident Aircraft Maintenance, Inc.
9478 Jet Lane
Easton, MD 21801
Phone: 443-385-0900

DATE: 14 August, 2016
AC TSM
ENG TT: 1091.9
TSMCH
HOBBS: 1091.9

Engine Entries

(2) I certify that this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition. Checked magneto timing to engine IAW engine placard. Washed engine and performed run up for operational and leak check. Operational check satisfactory no leaks noted.

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

DATE: 14 August, 2016 SIGNED: *[Signature]* Work Order: 1941-04-2016
Scott Wilherson, A&P 3108935 Printed by EBis 3 (datamedia.com)

JA

N27FB11/1/2016 HOBBS/ETT 1098.6

- 1) Compression check 70, 60, 69, 70, 66, 70/80
- 2) Changed oil and filter installed AA48109 filter and 11 qts Aero Shell 15W50, old filter open and checked
- 3) Checked magneto timing IAW Continental Manual M-O chapter 6-4.9.1
- 4) Clean and gap spark plugs replaced gaskets installed IAW Continental Manual M-O chapter 6-4.9.2
- 5) Cleaned fuel injectors IAW Continental Manual M-O chapter 6-4.17
- 6) Clean throttle screen, & fuel screen
- 7) C/W TCM SB95-7A Manifold valve cover inspection found serviceable due next 11/2017
- 8) C/W Continental cylinder visual inspection IAW Continental Manual M-O chapter 6-4.11.1 found serviceable due next 11/2017
- 9) C/W Inspection and maintenance of engine controls and linkage IAW Continental Manual M-O chapter 6-4.19 found serviceable due next 11/2017
- 10) Removed alternator disassembled clean and check, clean armature, replaced brush block p/n 646853 reassembled, check clutch slippage found serviceable, reinstalled with new gasket all work IAW Continental manual X30531 and M-O
- 11) C/W TCM SB09-4A Air conditioner mount area inspection c/w inspection IAW instructions no cracks found at this time next inspection due Hobbs 1198.6
- 12) Replaced LH muffler with new p/n 701-20 s/n 50112
- 13) AD 84-26-02 induction air filters c/w by installing new filter p/n 137627 next replacement due Hobbs 1598.6 or condition
- 14) Replaced air conditioner belt with new p/n 657970
- 15) Replaced propeller Deice brush block with new p/n 3E2062-2 s/n N1522403
- 16) Replaced breather tube flex duct p/n WAITS 3-14-4
- 17) Ground run, operational and leak check found serviceable at this time and approved for return to service for the work performed

END

NAGLE AIRCRAFT, INC.
HANSCOM FIELD WEST
BEDFORD MA.01730
(781) 274-1210

[Signature]
Date 11/1/2016 Hobbs 1098.6
I certify that this engine has been inspected in accordance with an annual inspection and is in an Airworthy condition
[Signature]
Stephen C Gosby IA 3036633

New Garden Aviation, LLC
New Garden Flying Field
PO Box 481 / 1235 Newark Rd
Toughkenamon, PA 19374
610-268-2049/Fax 610-268-0342

N27FB
Hobbs: 0019.5

7/20/2017

Model: Beech G36 S/N: E-3727 Engine: Continental IO 550-B (39) S/N: 688464

Removed and replaced prop seal O-ring. Serviced brake reservoir. Adjusted and lubed cowl latches. Aircraft test-run, checked, and released for service.

[Signature]
BD Roberts A&P 2061115

N27FB
Hobbs: 0019.5

New Garden Aviation, LLC
New Garden Flying Field
PO Box 481 / 1235 Newark Rd
Toughkenamon, PA 19374
610-268-2048/Fax 610-268-0342

7/21/2017

Model: Beech G36 S/N: E-3727 Engine: Continental IO 550-B (39) S/ N: 688464

Brough Removed and replaced leaking crank seal, P/N 641250. Performed compression check. (Checked comp tester with metered orifice - allows 40#.) Cylinders check as follows: 1) 60 2) 58 3) 60 4) 66 5) 56 6) 62/80. Engine test-run, checked, and released for service.

BD Roberts A&P 2061115

N27FB

New Garden Aviation, LLC
New Garden Flying Field
PO Box 481 / 1235 Newark Rd
Toughkenamon, PA 19374
610-268-2048/Fax 610-268-0342

12/12/2017

Hobbs: 080.2

Model: Beech G36 S/N: E-3727 Engine: Continental IO 550-B (39) S/ N: 688464

Compression Check: 1) 68 2) 54 3) 58 4) 68 5) 48 6) 62/80. Calibrated orifice:40#. Changed oil and filter using 12 qts Aeroshell 15W50 and CH48109-1 filter. Cut and inspected filter. Cleaned and gapped plugs. Cleaned sumps and screens. R&R'd both mags with overhauled units from Kelly Aerospace, P/N 6310, S/N's F-05222 (RH mag) and F-11122 (LH). Their W/O's KES1705-173 and KES1711-135. Cleaned injector nozzles. Tightened air conditioner belt.

Checked AD's through 2017-24. 2014-5-29 (Superior cylinder) N/A - Not installed. 2016-16-12 (ECI cylinder) N/A - Not installed. See AD Summary for complete listing.

I certify this aircraft has been inspected IAW requirements for a 100-Hour Inspection and was found to be in airworthy condition.

BD Roberts A&P 2061115 IA

Pasquale Aviation

1149 Glasgow St, Suite 2, Pottstown, PA. 19464
484-336-0158

AIRCRAFT: Raytheon G36, N27FB, s/n: E-3727, TT: 1254.8hrs HT 137.3hrs

ENGINE: Continental IO-550B (39), s/n: ~~2241007~~, TT: 1254.8 hrs S/N 688464

1. Removed Cyl 1,3, and 5 intake tubes, alternator, and right exhaust to facilitate cylinder removal. Removed and replaced cyl 3 with Repaired Continental cylinder. Removed cyl 5 and sent to Colombia Aircraft Service for repair. See Colombia work orders 27457 and 27495 for details. Installed both cylinders. Installed previously removed parts with new gaskets.
2. Modified right forward baffle to facilitate removal and installation of cylinder 5.
3. Ground ran and leak checked OK.
4. Details of this repair on file at this facility under work order 1093.

DATE 03-08-19

David Pasquale
AP3312010IA

N27FB

New Garden Aviation, LLC
New Garden Flying Field
PO Box 481 / 1235 Newark Rd
Toughkenamon, PA 19374
610-268-2048/Fax 610-268-0342

3/11/2019

Brc Hobbs: 1137.3
Model: Beech G36 S/N: E-3727 Engine: Continental IO 550-B (39) S/N: 688464

Compression Check: 1) 62 2) 42 3) ** 4) 58 5) ** 6) 57/80. *Numbers 3 and 5 just reinstalled following repair - See preceding entry. Calibrated orifice: 40#. Oil and filter just changed - see preceding entry using 12 qts Phillips 20W50 and CH48109-1 filter. Cut and inspected filter. 3Cleaned and gapped plugs. Cleaned sumps and screens.

Checked AD's through 2019-05. 2014-5-29 (Superior cylinder) N/A - Not installed. 2016-16-12 (ECI cylinder) N/A - Not installed. See AD Summary for complete listing.

I certify this engine has been inspected IAW requirements for a 100-Hour Inspection and was found to be in airworthy condition.

BD Roberts
BD Roberts A&P 2061115 IA

Pasquale Aviation

1149 Glasgow St, Suite 2, Pottstown, PA. 19464
484-336-0158

AIRCRAFT: Raytheon G36, N27FB, s/n: E-3727, TT: 1317.2hrs HT 199.7hrs

ENGINE: Continental IO-550F(17), s/n: 824180-R, TT: 1317.2 hrs

PROPELLER: Hartzell PHC-C3YF-1RF snEE5565B total time: 1317.2

1. Engine inspected in accordance with FAR43 Appendix D and serviced using Beech inspection report PN98-32227T as a guide. Engine is approved for return to service.
2. Performed compression check and bore scope inspection of cylinders. See cylinder inspection report dated 2-4-20 for details. Compressions: 1)67/80 2)32/80 3)68/80 4)62/80 5)67/80 6)6070/80 MO) 44/80
3. Cleaned induction filter.
4. Drained and sampled oil. Removed and replaced oil filter with new filter. Inspected old filter media for chips. None found at this time. Serviced engine with 10QTS Phillips 20W50 oil and 1 pint of CamGuard.
5. Tightened all intake clamps on left side of engine.
6. Lapped cylinder 2 and 4 exhaust valves. Replaced exhaust valve rotators and springs with new parts. Installed rocker covers with new gaskets.
7. Removed and replaced cyl 4 top spark plug with new fine wire plug.
8. Repaired flow divider bracket with stainless steel stiffener.
9. Adjusted right mag timing to 22 degrees BTC on cyl 1.
10. Adjusted fuel pressures/flow in accordance with maintenance manual M-0.

	Unmetered	Metered	Fuel flow
600RPM	8.4		
2680RPM	32.6	19.73	26.8GPH

Set idle speed to 700RPM with 25RPM rise.
11. Ground ran and leak checked engine OK.
12. Details of this inspection on file at this facility under work order 2440.

DATE 03-10-20

I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition. Engine has been approved for return to service.

David Pasquale
David Pasquale AP3312010IA

ENGINE MODEL:
IO-550-B39
ENGINE S/N: 688464
REG. NO: N27FB
WORK ORDER:
0632-09-2022



GoldStrike Aircraft Services

2705 Airport Dr
North Las Vegas, NV 89032
Phone: (702) 899-1150

DATE: 9/7/2022
AC TSN: 1457.7
ENG TT: 1457.7
TSMOH:
HOBBS: 340.2

D:

Engine Entries

· Changed oil and filter. Cut open filter and checked for metal, none found. Serviced with 12 qts. of Phillips X/C 20W50. Oil sample taken. Engine run and leak check good.

The aircraft and/or component(s) on N27FB was repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 9/7/2022

SIGNED:

Work Order: 0632-09-2022

Bo Cacchione, A&P: 4413858

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Brought

ENGINE MODEL:
IO-550-B39
ENGINE S/N: 688464
REG. NO: N27FB
WORK ORDER:
0873-02-2023



GoldStrike Aircraft Services

2705 Airport Dr
North Las Vegas, NV 89032
Phone: (702) 899-1150

DATE: 3/13/2023
AC TSN: 1484.5
ENG TT: 1484.5
TSMOH:
HOBBS: 367

Engine Entries

- I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.
- Changed oil and filter. Cut open filter and checked for metal, none found. Serviced with 12 qts. of Phillips X/C 20W-50. Oil sample taken. Engine run and leak check good.
- Compressions: 1) 78, 2) 78, 3) 78, 4) 78, 5) 78, 6) 78/80 PSI. Master orifice: 42 PSI.
- Adjusted engine idle RPM to meet manufacturer specifications IAW Continental M-0 Standard Practice Maintenance Manual Section 6-4.10.2.1

The aircraft and/or component(s) on N27FB was repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 3/13/2023

SIGNED:

Work Order: 0873-02-2023

Mark Blackwood, A&P: 4484732

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