

6/15/18

Kobd 1802.5

TT 4167.1

Annual inspection c/w by use of Beechcraft
Duke 60 series M/M check cabin, wing, control
+ gear ~~R/R~~ Removed + reinstalled gear. Dampers
P/N 1C651+2 S/N 314A after overhaul Removed +
reinstalled rubber servo P/N 1C465-1-380Y S/N 4163A
after overhaul c/w AD 76-07-12 R1 Bendix switch
by test installed NEW ELT Battery Due NOV 2020
+ c/w FAR 91-207 on ELT SB 32-4172 Brake cylinders
are N/A by date of safety at this aircraft has been
inspected + found in airworthy condition
[redacted] [redacted]



5500 44th St. SE. Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920

www.maydayavionics.com

DATE	6-29-18	S.O.	60514
MAKE	Beech	N#	N1876L
MODEL	B-60	S/N	P-386
HOURS	1805.8		

The following altimeter and altitude reporting equipment test and inspections required by FAR 91.411 IAW FAR Part 43, Appendix "E" have been performed:

Paragraph (a) Static Pressure System:
Certification Date: 6-29-18

Pilot (#1): ☒

Copilot: ☒

Standby: ☐

The ATC Transponder tests and inspections required by FAR 91.413 IAW FAR Part 43, Appendix "F" have been performed:

Transponder Certification Date: 6-29-18

#1 Model:

GTX 345

P/N:

011-03302-00

S/N:

3EG021562

#2 Model:

P/N:

S/N:

Paragraph (b) Altimeter:

SYSTEM	PART NUMBER	SERIAL NUMBER	TESTED TO:
#1 Encoding Altimeter	519-22702-031	1341	35,000 ft.
#2 Altimeter	5934PA-3	464184	35,000 ft.

Paragraph (c) Automatic Pressure Altitude Reporting Equipment and ATC Transponder System Integration Test:

#1 System ☒

#2 System ☐

Certification Date: 6-29-18

FOR FAA CRS YXXR387Y

DATE: 6-29-18

S.O.	60514
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MODEL	B-60	S/N	P-386
HOURS	1805.8		

Removed the Collins VIR-351 NAV, VHF-251 COM, IND-351 CDI, and a Garmin GTX 327 Transponder. Installed a Garmin GNS 430W GPS/WAAS Navigation System, S/N 97140122; GI 106B CDI, S/N A18-10127; and GA 35 GPS-WAAS Antenna, S/N 139027. Reference Garmin Doc. No.: 190-00356-65, Rev D for GNS 430W ICA and the Mayday Avionics, Inc. document number GA35.MI.N1876L, Rev. IR for Maintenance Information.

Installed the Garmin GTX 345 Transponder with ADS-B "Out" Functionality, S/N 3EG021562. Replaced the existing transponder coax with new, P/N 311501. System was tested IAW 14 CFR § 91.413. The installed ADS-B "Out" system was shown to meet the equipment performance requirements of 14 CFR Section 91.227. Reference Garmin Doc. No.: 190-00734-11, Rev 6 for GTX 345 ICA.

- Reference FAA form 337 dated 6-29-18 for pertinent details of the above installation.
- The Weight & Balance and Equipment List have been revised.
- Installed Main Software Ver. 5.40 and GPS-WAAS Software Ver. 5.0 to the Garmin GNS 530W IAW the Garmin Service Bulletin No.: 1315, Rev A; 1317, Rev B; 1762, Rev A; 1766, Rev A.
- Repaired multiple static system leaks, replaced lines aft of the rear pressure bulkhead, and performed system leak check IAW AC 43.13-1B, Chapter 12, Section 4.

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

FOR FAA CRS YXXR387Y

1. Approving Civil Aviation
Authority/Country:
FAA/UNITED STATES

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

RMA 102651089

4. Organization Name and Address:

GARMIN International 1200 E 151st Olathe, KS 66062 Certificate No. G6XR582Y

5. Work Order/Contract/Invoice Number:

RMA 102651089

11. Status/Work:

REPAIRED

6. Item:

7. Description:

8. Part Number:

9. Quantity:

10. Serial Number:

1 GNS430W,Bik,Upgd

011-01060-40

1

97140122

12. REMARKS: Confirmed the return issue. Upgraded unit to include WAAS capability. Repaired Comm board to correct unrelated issue. Confirmed all applicable hardware modifications are installed. Updated software to the latest version. Aligned unit for optimum performance. Master cleared unit. Unit passes all tests and is operating within normal limits. Unit acquired satellites. OK to return to Service.

The Main and GPS Softwares are at the latest revision. This unit complies with these Service Bulletins 1317, 1766. It is the responsibility of the Installer to verify that the installation complies with the previous listed Service Bulletins.

The following Mod's were installed into this unit under its previous configuration prior to it being upgraded and configuration changed to part number 011-01060-40

This unit complies with MOD 1 per Garmin's Service Bulletin No. 0019

This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101

This unit complies with MOD 3 per Garmin's Service Bulletin No. 0203B

This unit complies with MOD 4 per Garmin's Service Bulletin No. 0207

This unit complies with MOD 5 per Garmin's Service Bulletin No. 0211

The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev- AT, Revision Date 3/12/2018.

Thank You for Choosing Garmin! If you have any questions or concerns please do not hesitate to contact our customer service department at 1-800-800-1020. Please view Garmin's web site at www.garmin.com for any update or product information.

13a. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in condition for safe operation

☐ Non-approved design data specified in block 12

N / A

14a. ☒ 14 CFR 43.9 Return to Service

☐ Other regulations specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature

N / A

13c. Approval/Authorization No.:

N / A

14b. Authorized Signature:

14c. Approval/Certificate No.:

G6XR582Y

13d. Name (Typed or Printed)

N / A

13e. Date (dd/mm/yyyy)

N / A

14d. Name (Typed or Printed)

Troy Clifton Schell

14e. Date (dd/mm/yyyy)

07 May 2018

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs 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 aircraft engine(s)/propeller(s)/article(s) from the Airworthiness Authority of the country specified in block 1.

Statements in Block 13a and 14a 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.

[illegible]

[illegible]

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date: 10-28-03 Hobbs: 788.9 Reg. No.: N# 1876L
Eng. Model: TIO-541-E1C4 Eng. S/N: RL-284-59 SMOH: 000.0

ACCESSORIES OVERHAULED OR EXCHANGED AT OVERHAUL

MFG. NAME	COMPONENT	MODEL/PN	SERIAL No.
TCM/Bendix	Magneto	10-349310-4	FO49114FR
TCM/Bendix	Magneto	10-349290-2D	FO49113FR
Electrosystems	Starter	MHB4016R	A9896
Lear Siegler	Generator	30060-004	1214
Woodward	Governor	210556	1752512P
Romec	Fuel Pump	RG9570K1	B-1672
Precision	Fuel Servo	RSA-10DB1	54989
Garrett	Turbocharger	407540-9003	GIR00488
Garrett	Wastegate	470818-5	KLR0235
Garrett	Controller	481008-8	VER0110
Garrett	P.R.V.	470944-7	UER0139
Aircraft Appl. & Equip.	Tach Generator	MS25038-4	123415
Harrison	Oil Cooler	LW-10025	106

Firewall Forward, Inc.
Loveland, CO 80538

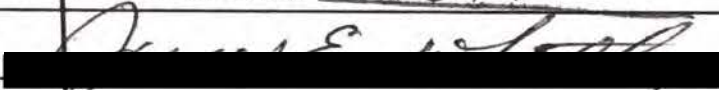
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Date: 10-28-03 **Hobbs:** 788.7 **Reg. No.:** N# 1876L
Eng. Model: TIO-541-E1C4 **Eng. S/N:** RL-284-59 **SMOH:** 000.0

Completed engine major overhaul this date in reference with Lycoming overhaul manual 60297-6, parts manual PC-120 and all applicable service bulletins, letters and instructions. This engine has been overhauled to factory new fits and limits. Firewall Forward Technologies, LLC (Centri-Lube) camshaft installed per STC SE01436LA. FAA form 337 filed this date. Crankcase align bored/certified, crankshaft overhauled/certified, connecting rods align bored, counterweights reworked per Lycoming Service Instructions #1143B, and Lycoming factory new cylinder assemblies and lifters installed. Engine accessories were overhauled/exchanged or new as follows: Magnetos, New Ignition Harness, New Champion Massive Spark Plugs, Starter, Generator, Propeller Governor, Bendix Fuel Servo, Fuel Pump, Turbocharger, Wastegate, Controller, P.R.V., Tach Generator and Oil Cooler. List of complied with A.D.'s provided. For complete details concerning this overhaul, refer to Work Order #FR08350 on file at this overhaul facility. END.

Frank Szymanski
 CRS No. PP5R127N

Firewall Forward, Inc.
 Loveland, CO 80538

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-21-	03	Nobbs	788.7	Installed this engine on left side beachcraft B-60 S/N R386 N18762 after Overhaul By Firewall Forward. serviced with Aero Shell 50 Mineral Oil. Ground run & Rigged Controls as needed.
				TRADEWIND TURBINES CORP
				FAA REPAIR STATION NO. TUC-111
				WORK ORDER 47511
				

[illegible]

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
 ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

DATE

19__

RECORDING

TACH
TIME

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

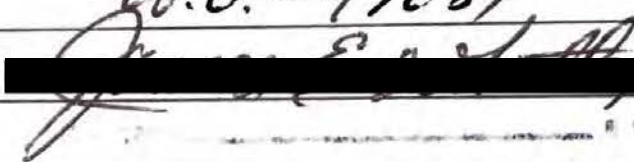
1-2-03

HOBBS-770.5 Eng. TsmoH 1503.5
 Removed from Right Side Beechcraft
 B60 s/n P-386 N1876L.

Tradewind Turbines

CLS TUDR675K

W.O.# 47084



RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date: 2-27-03 **Hobbs:** 770.5 **Reg. No.:** N1876L
Eng. Model: TIO-541-E1C4 **Eng. S/N:** RL-381-59 **SMOH:** 000.0

Completed engine major overhaul this date in reference with Lycoming overhaul manual 60297-6, parts manual PC-120 and all applicable service bulletins, letters and instructions. This engine has been overhauled to factory new fits and limits. Crankcase align bored/certified, crankshaft overhauled/certified (S/N: 82165), connecting rods align bored, counterweights reworked per Lycoming Service Instructions #1143B, and Lycoming factory new cylinder assemblies, camshaft, and lifters installed. Engine accessories were overhauled/exchanged or new as follows: Magnetos, Ignition Harness, Champion Massive Spark Plugs, Bendix Fuel Servo, Fuel Pump (owner supplied), Turbocharger, Wastegate, Controller, P.R.V., Propeller Governor, New Sky-Tec Starter, Generator, Tach Generator, and Oil Cooler. Engine dynamometer tested in accordance with Lycoming's overhaul manual and is approved for return to service. All maintenance release tags and list of C/W A.D.'s provided. For complete details concerning this overhaul, refer to Work Order #9711 on file at this overhaul facility. END.

Mark Seader
CRS No. PP5R127N


Firewall Forward, Inc.
Loveland, CO 80538

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Date: 2-27-03 **Hobbs:** 770.5 **Reg. No.:** N1876L
Eng. Model: TIO-541-E1C4 **Eng. S/N:** RL-381-59 **SMOH:** 000.0

ACCESSORIES OVERHAULED OR EXCHANGED AT OVERHAUL

MFG. NAME	COMPONENT	MODEL/PN	SERIAL No.
TCM/Bendix	Magneto	10-349310-4D	8012013
TCM/Bendix	Magneto	10-349290-2D	8012006
Sky-Tec	Starter	149-24LS	F4L-520201
Lear Siegler	Generator	30030-004	1215
Woodward	Propeller Governor	210556	1752513P
Romec	Fuel Pump	RG9570K1/M	B-1877
Precision	Fuel Servo	RSA-10DB1	64404
Garrett	Turbocharger	407540-9003	ILR0106
Garrett	Wastegate	470818-9005	UER0168
Garrett	Controller	481008-9008	GFO111
Garrett	P.R.V.	470944-9007	CGO-127
AAE	Tach Generator	MS25038-2	40920
Niagara	Oil Cooler	10046A	I88-5628-7

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Loveland, CO 80538

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3-25-03		Hobbs	770.5	TSMOH 0.0
				Installed this engine on Right Side Beechcraft B-60 S/N P-386 N1876C. Serviced Oil with Aeroshell 50 Mineral Oil. Ground Run Check For Leaks and Rigged Controls as needed.
				I certify that this ^{Engine} aircraft has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition TRADEWIND TURBINES CORP FAA REPAIR STATION NO. TUDR675K WORK ORDER <u>47084</u> 