

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N555MG

Engine Manufacturer TCM (PowerMaster)

Model T0550-B

Serial No. 569849

Date installed on aircraft 7 June 2013

Time Between Overhauls (TBO) 1700 Hours

If used on multi-engine aircraft:

- | | |
|---|-------------------------------|
| ☐ Right | ☐ Left |
| ☒ Front | ☐ Rear |



(All applicable information must be filled in)

AEROTECH PUBLICATIONS INC.

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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

TORNADO ALLEY TURBO INC.

300 AIRPORT RD

ADA, OK 74820

ENGINE LOG BOOK ENTRY

7 JUNE 2013

N555MG BONANZA A36 SN: E-2391 ACFT TT: 5700.0 ACFT TACH: 1419.0

TCM IO-550-B-AP SN: 569849 ENG TSMOH: 0.0 ENG TT: 1700.0

REMOVED EXISTING ENGINE DUE TO TBO, INSTALLED POWER MASTER NEWLY OVRHAULED ENGINE ON THIS DATE AND THESE ACFT HOURS. SEE PREVIOUS LOG BOOK ENTRY FOR OVERHAUL DETAILS
THIS ENGINE INSTALLATION IS COVERED AND APPROVED UNDER PRE-EXISTING ENGINE TECHNOLOGY INC. STC SA5223NM AND STC SE5222NM. THE INSTALLATION WAS COMPLETED USING TORNADO ALLEY TURBO INC. INSTALLATION INSTRUCTIONS AND DRAWINGS, AND HAWKER BEECHCRAFT MAINTENANCE MANUALS. REFER TO TORNADO ALLEY TURBO AIRPLANE FLIGHT MANUAL SUPPLEMENT-550 FOR OPERATION AND CONTINUED AIRWORTHINESS.

INSTALLED NEW GAMI TURBO INJECTORS KIT NUMBER GT16B SERIAL NUMBER 22632.

INSTALLED NEW ENGINE MOUNT ISOLATORS PART NUMBER J-10520-1.

INSTALLED NEW PROP CONTROL CABLE 36-380084-3, NEW THROTTLE CONTROL CABLE 36-380084-5, AND MIXTURE CONTROL CABLE 36-380084-7.

INSTALLED CUSTOMER PROVIDED PROP GOVERNOR ATD210760 SERIAL NUMBER 13103957.

HAD TURBOCHARGER 406610-9029 SERIAL NUMBER HKR00032 OVERHAULED AND REINSTALLED.

HAD WASTEGATE 470908-11 SERIAL NUMBER HD0271 OVERHAULED AND REINSTALLED.

HAD MP CONTROLLER 470688-5 SERIAL NUMBER GK0114 OVERHAULED AND REINSTALLED.

INSTALLED NEW MANIFOLD PRESSURE CONTROLLER PART NUMBER 470944-0029 SERIAL NUMBER H-PKN00030.

INSTALLED CUSTOMER PROVIDED MAGNETOS PART NUMBER 10-349350-5 SERIAL NUMBER L209520FR AND 10-349350-4 SERIAL NUMBER L129513FR.

HAD EXHAUST SYSTEM CLEANED, INSPECTED, RESURFACED, REPAIRED, AND REINSTALLED.

REMOVED AND REPLACED CABIN HEATER WITH NEW UNIT PART NUMBER ETI-B-118.

REMOVED AND REPLACED LEFT EXHAUST MANIFOLD WITH USED SERVICIBLE UNIT.

REMOVED AND REPLACED WASTEGATE MANIFOLD WITH NEW UNIT PART NUMBER ETI-B-108.

INSTALLED NEW INSTRUMENT AIR PUMP PART NUMBER 216CW SERIAL NUMBER 020E05.

INSTALLED NEW SEALS ON FUEL INJECTOR AIR COLLARS.

INSTALLED NEW SEAL ON FUEL INJECTOR UPPER DECK REFERENCE TUBES.

INSTALLED ALL NEW EXHAUST PORT BASE GASKETS.

INSTALLED ALL NEW EXHAUST FLANGE NUTS.

INSTALLED NEW TURBOCHARGER GASKET.

INSTALLED NEW EXHAUST 4 BOLT FLANGE GASKETS.

INSTALLED NEW WASTEGATE GASKETS.

INSTALLED ALL NEW TURBO, WASTEGATE MOUNTING BOLTS, WAHERS, AND NUTS.

INSTALLED NEW ENGINE BAFFLE COMPONENTS MODIFIED FOR THE ADDITION OF THE TAPER FIN STYLE CYLINDERS.

SERVICED ENGINE WITH 12 QUARTS OF PHILLIPS 20W/50 MINERAL OIL.

INSTALLED NEW EZ-HEAT SUMP HEATER PAD PART NUMBER 07-05200.

SEE FIRST PAGE OF ENGINE LOG BOOK ENTRY FOR OVERHAUL DETAILS AND MODIFICATIONS.


 DAVID R. LANDRETH A&P 2651512 IA

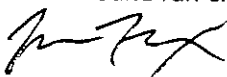
8-11-2014 Hobbs 1570, TSMOH 151.0 T.T. 1851 Annual inspection completed this date per the FAR 43 Appendix D. Cleaned and gapped plugs. Comp. Check as follows: #1.) $74/80$, #2.) $74/80$, #3.) $77/80$, #4.) $74/80$, #5.) $72/80$, #6.) $75/80$. Changed oil and filter. Serviced with 10qts Aeroshell 100W and installed new oil filter. Ran engine. No leaks, all ops normal. ok for return to service.

Burrus Aviation LLC by its member: Capt L. Burrus A&P 3165624BA

SUB-TOTALS this page

TOTALS—Carry forward to next page

44040 0.45.00 DSA

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
RIVERSIDE AVIATION 9027 AIRPORT WAY TULSA OK, 74132 N555MG BONANZA MODEL A36 SN: E-2391 ACFT TT: 6475.8 ACFT HOBBS: 2092.8 TCM IO-550-B-AP SN: 569849 ENG TSN: 2373.8 ENG TSMOH: 673.8 COMPLETED ANNUAL INSPECTION USING HAWKER BEECHCRAFT AIRCRAFT BEECH BONANZA ANNUAL/100 HOUR INSPECTION CHECKLIST DATED APRIL 2014 AS A GUIDE. PERFORMED AIRWORTHINESS DIRECTIVE SEARCH USING AVANTEX DISC 2021-02. FOUND ALL AIRWORTHINESS DIRECTIVES COMPLIED WITH OR NOT APPLICABLE. PERFORMED CYLINDER DIFFERENTIAL COMPRESSION CHECK RESULTS WERE 70, 73, 74, 73, 72 AND 74. ALL IN ORDER AND WITH 80 PSI AS A REFERENCE PRESSURE. CHECKED AND ADJUSTED MAGNETO TIMING TO 21.9 DEGREES BTDC. REMOVED, CLEANED, INSPECTED, GAP CHECKED, AND REINSTALLED ALL SPARK PLUGS. INSTALLED NEW GASKETS. REMOVED AND REPLACED LEFT MAGNETO GASKET WITH NEW. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.  DAVID R. LANDRETH 002651512 IA 				
KNOX AVIATION LLC, 14525 CO RD 19, PERRYTON TX 79070 N#: N555MG Model: IO-520-BB S/N: 569849 Date: 03/10/2022 HOBBS: 2105.6 TSMOH: 686.6				
Compression check completed: #1-79/80; #2-77/80; #3-78/80; #4-78/80; #5-78/80; #6-78/80. Inspected and cleaned FCU inlet screen, checks ok at this time. Tested leads with Bendix high tension tester, check ok at this time. Cleaned high tension lead ends. Reset mag timing to 22 DEG BTC. Inspected muffler and shroud for leaks, checks ok at this time. CW AD 01-08-08, Inspected tailpipe clamp, checks ok at this time clamp due replacement 2233.6 hobbs. Installed missing exhaust nut on #3 cylinder and tightened exhaust nuts on #1 cylinder. Oil changed with AA48109 filter and 12 quarts of Aeroshell 15w50. Oil filter cut for inspection, checked ok at this time. Oil sample sent to AOA. Ground run checked ok; no visual leaks apparent. End. James E. Knox:  A&P # 4132624				
March 10, 2022 Completed an annual inspection this date. Inspected the engine; verified the items listed above in logbook entry dated March 10, 2022 by Knox Aviation LLC. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. END.  Willard L. Chapman A&P 2140147IA Engine log entry N555MG Hourmeter 2105.6 SMOH 686.6				
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

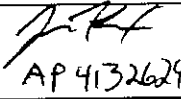
Airworthiness Directive Compliance Record

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AIRCRAFT RECORDS - DO NOT DESTROY

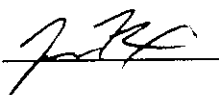
Appliances

Company Knox Aviation
Tail # N555MG
BIweekly Number 2023-08

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 76-07-12 04/14/1976	76-07-12 - BENDIX SWITCHES/	C/W BY FUNC CHECK		X	04/13/2023	2218.9 hobbs	 AP 4132624

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

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Date

APR 13 2023
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Compliance Record

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TROY

airframe

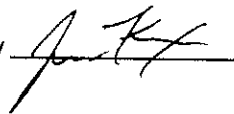
36

Biweekly Number 2023-08
TACH 2118.9
A/C Cert. Date 10/22/1987
Total Time 6501.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
DER	N/A by S/N					
INTROL	N/A by S/N					
GRESS	N/A by S/N					
NDLE/	N/A by S/N					
ERIAL/	PCW			05/09/1988		
	N/A by S/N					
A TAB	N/A by S/N					
	PCW			09/18/1991		
WER	PCW			11/01/1991		

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Compliance Record

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ROY

airframe

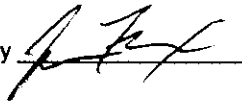
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Biweekly Number 2023-08
 TACH 2118.9
 A/C Cert. Date 10/22/1987
 Total Time 6501.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
AME	SUPERSEDED	X	X			
ORDER /	SUPERSEDED	X	X			
R	PCW			10/08/1992		
ION	N/A Not Installed					
	PCW Reinforcement brackets installed		X	06/20/1995		
/	PCW		X	12/27/2019	6945.6 TT	
ES LOCK TON/	PCW			09/02/1997		
FLOW E/	WITHDRAWN JULY 2000					
ROL	N/A by S/N					

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Date APR 13 2023

Compliance Record

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TROY

airframe

A36

Biweekly Number 2023-08
 TACH 2118.9
 A/C Cert. Date 10/22/1987
 Total Time 6501.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
THE OF ALANT FIREWALL	N/A by S/N					
E RUDDER BLE/	N/A by S/N					
SING IE RIGHT AGE	SUPERSEDED	X				
E TAILPIPE CHING	PCW		X	01/13/2018	6616.6 TT	
GER/						
IE BLOWER UIT/	PCW					
EPARATION P FLEX MBLY/	PCW			12/18/11		

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Date **APR 13 2023**

Compliance Record

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STROY

airframe

n
A36

Biweekly Number 2023-08
TACH 2118.9
A/C Cert. Date 10/22/1987
Total Time 6501.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
N - DETECT CT MISSING IE RIGHT AGE MBLY/	PCW			12/13/2004		
HE OF NDINGS SEIZURE OCK	C/W, GREASED UPLOCK ROLLERS		X	04/13/2023	2218.9 hobbs	<i>JTF</i> AP 4132624
FAILURE UIT GGLE	PCW			12/08/2009		
AND ↓ WASHER N THE OPILOT /	PCW					
ON FLIGHT ABLE END TEGRITY/	SUPERSEDED	X				

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JTF

Date

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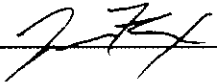
Compliance Record

STROYairframe

n
- A36

Biweekly Number 2023-08
TACH 2118.9
A/C Cert. Date 10/22/1987
Total Time 6501.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
ION FLIGHT ABLE FITTINGS	N/A by S/N					

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TROY

engine

IO-520-BB

Biweekly Number
TSMOH

2023-08
699.9

Total Time
Total Cycles

2399.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
ON PUMP	N/A Not Installed					
APTOR/	N/A Not Installed		X			
RELIEF	N/A by S/N					
DDOWN	N/A Not Installed					
	N/A Not Installed		X			
	N/A Not Installed		X			
PTOR	N/A by S/N					
FATIGUE	SUPERSEDED	X	X			
	N/A Not Installed					

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Compliance Record

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engine

TROY

IO-520-BB

Biweekly Number 2023-08
TSMOH 699.9

Total Time 2399.9
Total Cycles

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
APTER	PCW AT OH			03/10/2013		
IL FILTER/	N/A Not Installed					
OIL E/	N/A by S/N					
ALVE	N/A by S/N					
/	PCW AT OH			03/10/2013		
E W	SUPERSEDED	X				
RDOWN TICAL	N/A BY N NUMBER					
IN - FT FATIGUE	PCW AT OH		X	03/10/2013		
FTS/	N/A by S/N					

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Compliance Record

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TROY

engine

IO-520-BB

Biweekly Number 2023-08
TSMOH 699.9

Total Time 2399.9
Total Cycles

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
FAILURE/	SUPERSEDED	X				
FAILURE/	N/A by OH Date					
ROD CTURE/	SUPERSEDED	X	X			
THE ROD	N/A by OH Date					
S OF R/	N/A NOT MODIFIED BY STC					
THE OF THE AD/	SUPERSEDED	X	X			

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TROY

engine

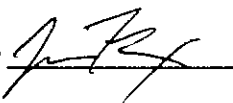
IO-520-BB

Biweekly Number 2023-08
TSMOH 699.9Total Time 2399.9
Total Cycles

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
- TO S OF R DUE THE AD, BINE FIRE IN IT/	N/A by S/N		X			
RAPID FACE OF FTERS/	SUPERSEDED	X	X			
RAPID FACE OF FTERS/	SUPERSEDED	X	X			
YDRAULIC /	N/A P/N's not installed at OH		X	03/10/2013		
AN JTDOWN ED FUEL RAGW/	N/A Not Installed		X			

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engine

IO-520-BB

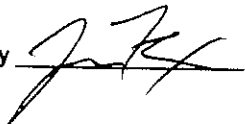
Biweekly Number 2023-08
TSMOH 699.9

Total Time 2399.9
Total Cycles

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
PARTS CAST	N/A Not Installed		X			
DR NDER LURES/	N/A Not Installed					
OIL ER FIBER SS/	N/A Not Installed					
ILLER ROPER	N/A by S/N					
	N/A by Manufacture Date					
HT GS IN WEIGHT	SUPERSEDED					

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ROY

engine

D-520-BB

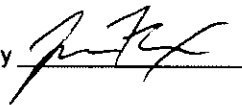
Biweekly Number 2023-08
TSMOH 699.9

Total Time 2399.9
Total Cycles

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
OF HT GS/	N/A by S/N and OH date					

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Date

APR 13 2023

Compliance Record

TROY

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propeller

3A32C409

Biweekly Number
TSMOH2023-08
179.3Total Time
Total Cycles

6501.9

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
BY T&W NC./	N/A no T&W rework					
BY LIFORNIA ERVICE/	N/A no So-Cal rework					
SAFE HAT FINA ADE ROM THE OF HE	N/A by S/N					
LADE OR HAT IN FA	C/W BY INSPECTION		X	04/13/2023	2218.9 HOBBS OR APR 2024	 AP 4132624

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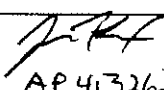
Date APR 13 2023

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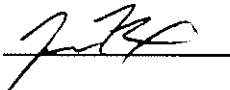
ROY

Appliances

	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
IX	C/W BY FUNC CHECK		X	04/13/2023	2218.9 hobbs	 AP 4132624

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Date

APR 13 2023
EZOR E 1 8 JV