

Propeller Record General Information

Propeller Manufacturer MT

Model MTV-14-B/213-56

Hub Series # 00484

Date of Manufacture _____

Type _____

Blade # _____

Serial # _____

Make/Model

Aircraft Installed On:

☐ **HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS**

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date: _____		
Next Inspection Due: _____	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

AC REG #: N/A

TACH: _____

DATE: 6/25/2016

Dynamically balanced propeller using ACES Model 2015 ProBalancer.

A counterweight (33.5 grams @ 15 degrees) was installed on the spinner bulkhead i/a/w FAA-Approved "ACES System Guide to Propeller Balancing," Rev. 2.0. Final balance measured at .09 ips @ 1623 prop RPM. See Prop Balancing Worksheet, dated 6/25/2016, for details.

Michael V. Ferrer

AP

North Texas Avionics

Fort Worth, TX 76179

Ph: _____



- Avionics Installation and Repairs
- VFR/IFR Transponder Certifications
- Aircraft Weight and Balance
- Dynamic Propeller Balancing
- Experimental Aircraft Friendly

Fort Worth, TX 76179

PROP BALANCING WORKSHEET

Customer: JD Muse Aircraft #: n/a Date: Jun 25, 2016
Aircraft Make/Model: Experimental P51 Serial #: _____
Engine Make/Model: Auto V8 Serial #: _____ HP: _____ TACH: n/a
Prop Make/Model: 4 Blade MT Serial #: _____ Spinner Diameter: 22"

TEST EQUIPMENT

Model: ACES ProBalancer Model 2015 Serial #: 01019
Calibration Date: 6/10/2015 ROM Version: 6.00.12 App Version: 6.00.13

SETUP

Setup Model: JD Engine HP: _____ # of Engines: 1 Balance RPM: 1623
Tach Channel: 1 Tach Type: Optical Tach Position: 12:00 Rotation: CCW
Sensor Channel: 1 Sensor Type: 991D-1 (20.0 mv/g) Sensor Position: 12:00
Weights Relative to: Tape ICF Samples: 4 ICF: 40.2 gms/Vib @ 262 Deg/Rot
30.0 gms/Vib @ 270 Deg/Rot

RESULTS

Run #	RPM	Peak Vibration		Influence		Solution		Installation	
		ips	deg	g/ips	deg	gram	deg	gram	deg
1	1650	0.70	286	30.0	270	21.0	16	21.7	15
2	1625	0.30	265	50.0	255	35.0	1	36.8	0
3	1630	0.26	51	41.7	264	30.1	14	29.5	18
FINAL	1623	0.09	205	0.0	0				

FINAL SOLUTION: 33.5 GRAMS @ 15 DEGREES

 GRAMS @ DEGREES

Weights installed on spinner backplate assembly.

Signature: _____

Certificate #: AP _____

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 17-38473	
4. Organization Name and Address: Byam Propeller Serv Inc. [REDACTED] Ft. Worth TX 76106					5. Work Order/Contract/Invoice Number: 38473	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	MT Propeller	MTV-14-B	1	00484	Service	
12. Remarks: Disassemble and inspect. Install new blades. Reseal and balance. I/A/W Manual E220 -----end-----						
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation 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:		13c. Approval/Authorization No.:	14b. Authorized Signature: [REDACTED]		14c. Approval/Certificate No.: [REDACTED]	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Chad J Moore		14e. Date (dd/mm/yyyy): 29/Mar/2017	
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 Blocks 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.						