



# mt-propeller

*The Winner's Propeller*

## PROPELLER LOGBOOK

EASA DE.21G.0008 / EASA.21J.020

MTE - 1198  
Juni 2005

# USE OF LOGBOOK

Owner Name \_\_\_\_\_

Address \_\_\_\_\_

Propeller Model MTV-9-B

Blade Model 198-52

Hub Serial No. 110285

Blade Serial No. 1 ACB-42066

2 ACB-42067

3 ACB-42068

4 /

5 /

6 /

Propeller Diameter: 198 cm  $\pm$  0.5 cm

Low Pitch: 7  $^{\circ}$   $\pm$  0.2  $^{\circ}$  TCI: 72 Month

High Pitch: 27  $^{\circ}$   $\pm$  1  $^{\circ}$  TBO: 2400 Hrs.

Feathering: /  $^{\circ}$   $\pm$  /  $^{\circ}$

Reverse: /  $^{\circ}$   $\pm$  /  $^{\circ}$

at radius station: 74 cm



# INSTALLATION HISTORY

| Date | Aircraft Model, Registration & Serial No., Tacho or Hobbs-Time                                                      |
|------|---------------------------------------------------------------------------------------------------------------------|
|      | Date 10/21/2011    Tach Time 650   PTT 0    N780DM                                                                  |
|      |                                                                                                                     |
|      | This prop model #MTV-9-B/198-52 serial # 110285 was                                                                 |
|      | installed on aircraft serial # 464-2008 model 8GCBC on this                                                         |
|      | date. Refer to 337 this date for futher details.                                                                    |
|      |                                                                                                                     |
|      | Yancey Waddington  510132889 IA |
|      |                                                                                                                     |
|      |                                                                                                                     |
|      |                                                                                                                     |
|      |                                                                                                                     |
|      |                                                                                                                     |
|      |                                                                                                                     |

## MAINTENANCE & SERVICE HISTORY

| Date     | Total Propeller Time | Time Since Overhaul | Description Of Work | Authorized Signatures<br>Repairman and Station<br>Certificate Numbers               |
|----------|----------------------|---------------------|---------------------|-------------------------------------------------------------------------------------|
| 19.04.11 | 00:00                | -                   | Manufactured        |  |
|          |                      |                     |                     |                                                                                     |
|          |                      |                     |                     |                                                                                     |
|          |                      |                     |                     |                                                                                     |
|          |                      |                     |                     |                                                                                     |
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|          |                      |                     |                     |                                                                                     |
|          |                      |                     |                     |                                                                                     |
|          |                      |                     |                     |                                                                                     |

NOTE: Enter Compliance With Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12



# MAINTENANCE & SERVICE HISTORY

## PRO BALANCE LLC.



562 Bayhill Drive  
Nampa, ID 83686

Phone: (208) 461-9522 Cell: (208) 870-0400

[momiller3m@aol.com](mailto:momiller3m@aol.com)

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===== Vibrex 2000 v2.71+ SN:620438 =====

===== Printed on: 04 Oct 11 08:18:02 =====

===== LOGBOOK PRINT =====

AIRCRAFT: 780DM

IMPORTANT!

This propeller has been dynamically  
balanced. Maintain index of the prop,  
spinner, spinner backplate, and  
crankshaft.

Balanced on: 03 Oct 11 17:25:23

Final Reading: 0.04 IPS

Balance Rating: BEST

Prop Configuration:

23.1 grams at 5:00

Aircraft Hours: 650

Signed: *Elmer Miller*

A&P No.: 190632

===== (c) 2011 Chadwick Helmuth =====

On Pages 11 & 12

Authorized Signatures  
Pairman and Station  
Certificate Numbers



# MAINTENANCE & SERVICE HISTORY

| Date                                                                                                                                                                                                                                                                                                                                                         | Total Propeller Time | Time Since Overhaul | Description Of Work | Authorized Signature<br>Repairman and Station<br>Certificate Number |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|---------------------|---------------------------------------------------------------------|
| <div> <div> Date 12/11/2011    Tach Time 663    PTT 13    N780DM </div> <div> This prop model #MTV-9-B/198-52 serial # 110285 was<br/> Removed from aircraft serial # 464-2008 model 8GCBC on<br/> this date. </div> <div> Yancey Waddington  516132889 IA </div> </div> |                      |                     |                     |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                              |                      |                     |                     |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                              |                      |                     |                     |                                                                     |
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|                                                                                                                                                                                                                                                                                                                                                              |                      |                     |                     |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                              |                      |                     |                     |                                                                     |

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12



N

MT-Propeller USA, Inc. 1180 Airport Terminal Drive, DeLand, FL 32724

FAA Approved Repair Station Q4MR908Y

Phone: (386) 736-7762 Fax: (386) 736-7696 E-mail: info@mt-propellerusa.com

Y

| Date                                                                                                                                                | Time                | Description Of Work         | Authorized Signatures | Station Numbers |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------|-----------------------|-----------------|
| February 2012                                                                                                                                       | TSN: 13.0 hrs.      |                             |                       |                 |
| MTV-9-B/198-52                                                                                                                                      | S/N: 110285         |                             |                       |                 |
| Repaired propeller in accordance with W/O: 12-034MT and overhaul manual E-220.                                                                      |                     |                             |                       |                 |
| Repaired trailing edge on # 3 blade tip, repainted tip and statically balanced propeller.                                                           |                     |                             |                       |                 |
| Propeller was not disassembled for this repair.                                                                                                     |                     |                             |                       |                 |
| Year of manufacture: 2011                                                                                                                           |                     |                             |                       |                 |
| I certify this propeller has been repaired and determined to be in airworthy condition at this time. Return to service this date, February 07, 2012 |                     |                             |                       |                 |
| Juergen Zahner, Chief Inspector Q4MR908Y <i>Zahner</i>                                                                                              |                     |                             |                       |                 |
| 03-01-2012                                                                                                                                          | TACH: 686.9         | Installed this propeller on |                       |                 |
| TSN: 13.0                                                                                                                                           | acft. S/N: 464-2004 | mod. 8GCBC on this date.    |                       |                 |
|                                                                                                                                                     |                     | <i>[Signature]</i>          | 516132889TH           |                 |
|                                                                                                                                                     |                     |                             |                       |                 |
|                                                                                                                                                     |                     |                             |                       |                 |
| NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12                                                    |                     |                             |                       |                 |



|                                                                                                                                                                                                                                                                                                             |                    |                                                                                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                                                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------|--|
| 1. Approving National Aviation Authority/Country:<br>FAA/United States                                                                                                                                                                                                                                      |                    | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                  |                                                                                                                                                                                                                                                                                                                                                                                                                             |                         | 3. Form Tracking Number<br>12-034MT                 |  |
| 4. Organization Name and Address<br>MT-Propeller USA, Inc. FAA Approved Repair Station Q4MR908Y<br>1180 Airport Terminal Dr.<br>DeLand, FL 32724                                                                                                                                                            |                    |                                                                                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                             |                         | 5. Work Order/ Contract/Invoice Number:<br>12-034MT |  |
| 6. Item                                                                                                                                                                                                                                                                                                     | 7. Description     | 8. Part Number                                                                          | 9. Eligibility * | 10. Quantity                                                                                                                                                                                                                                                                                                                                                                                                                | 11. Serial/Batch Number | 12. Status/Work                                     |  |
| 1                                                                                                                                                                                                                                                                                                           | Aircraft Propeller | MTV-9-B/198-52                                                                          | N / A            | 1                                                                                                                                                                                                                                                                                                                                                                                                                           | 110285                  | Repair                                              |  |
| 13. Remarks<br>Repaired propeller in accordance with W/O# 12-034MT and Overhaul Manual E-220.<br>Repaired trailing edge at # 3 blade tip, repainted tip and statically balanced propeller.<br>Propeller was not disassembled for this repair.<br>Year of Manufacture: 2011<br>TSN: 13.0 hrs.<br>TCDS: P24NE |                    |                                                                                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |                                                     |  |
| 14. Certifies the items identified above were manufactured in conformity to:<br><input type="checkbox"/> Approved design data and are in a condition for safe operation.<br><input type="checkbox"/> Non-Approved design data specified in Block 13.                                                        |                    |                                                                                         |                  | 19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service<br><input type="checkbox"/> Other regulations specified in Block 13<br>Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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. |                         |                                                     |  |
| 15. Authorized Signature:                                                                                                                                                                                                                                                                                   |                    | 16. Approval/ Authorization No.:                                                        |                  | 20. Authorized Signature:<br><i>J. Zahner</i>                                                                                                                                                                                                                                                                                                                                                                               |                         | 21. Approval/Certificate No.:<br>Q4MR908Y           |  |
| 17. Name (Typed or Printed):                                                                                                                                                                                                                                                                                |                    | 18. Date (m/d/y):                                                                       |                  | 22. Name (Typed or Printed):<br>Juergen Zahner, Chief Inspector                                                                                                                                                                                                                                                                                                                                                             |                         | 23. Date (m/d/y):<br>February 07, 2012              |  |

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 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/installation before the aircraft may be flown.



**PRO BALANCE LLC.**



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**Nampa, ID 83686**

**Phone: (208) 461-9522 Cell: (208) 870-0400**

[momiller3m@aol.com](mailto:momiller3m@aol.com)

\*\*\*\*\*

==== Vibrex 2000 v2.71+ SN:620438 ==

Printed on: 03 Mar 12 23:22:25

LOGBOOK PRINT

AIRCRAFT: 780DM

## IMPORTANT!

This propeller has been dynamically balanced. Maintain index of the prop, spinner, spinner backplate, and crankshaft.

Balanced on: 03 Mar 12 13:47:49

Final Reading: 0.02 IPS

Balance Rating: BEST

Prop Configuration:

11.0 grams at 6:00

18.7 grams at 5:00

Aircraft Hours: 687.0

Signed: Alma Miller

A&P No.: 1906327

==== (c) 2012 Chadwick Helmuth =====

DATE 08/21/2012

TACH 736.7 PTT 62.8

N780DM

I HAVE INSPECTED THE PROPELLER AND FOUND IT TO COMPLY WITH THE REQUIREMENTS OF FAR 43 APPENDIX D SCOPE AND DETAIL OF AN 100 HR/ ANNUAL INSPECTION AND APPROVED FOR RETURN TO SERVICE.

LES VANWARMERDAM

2697600 1A





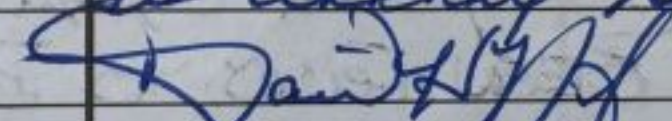
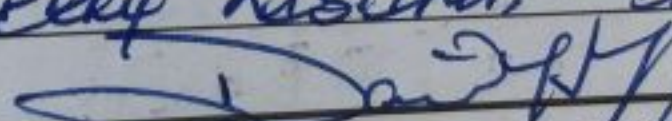
Performance Air Inc.  
4919 Aviation Way  
Caldwell, Ida 83605  
208-455-7400

N780DM TACH: 793.7 PTT: 119.8 Date: 10/28/2013

This propeller has been inspected and found to comply with the requirements of FAR 43 Appendix D scope and detail of an 100 Hr/Annual Inspection and is approved for return to service.

Yancey Waddington  AP 516132889 IA

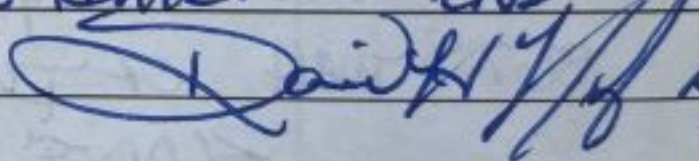
## ANCE & SERVICE HISTORY

| Time<br>since Overhaul | Description Of Work                                                                                                                                                                                                                    | Authorized Signatures<br>Repairman and Station<br>Certificate Numbers |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 11-2-2014              | Completed 100HR INSPECTION OF<br>TACH 826.6 Prop, BLADES, Hub, SPINNER.<br>RESEARCHED A.D.'S thru CURRENT FOR<br>BI-WEEKLY LISTING. — END —<br>   |                                                                       |
| 12-8-2015              | Completed 100HR INSPECTION<br>867.8 TACH OF Prop, SPINNER, BULKHEADS,<br>BLADES. RESEARCHED A.D.'S thru CURRENT<br>BI-WEEKLY LISTING. — END —<br> |                                                                       |

With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12



# MAINTENANCE & SERVICE HISTORY

| Date                          | Total Propeller Time | Time Since Overhaul | Description Of Work                                                                                                                                               | Authorized Signatures<br>Repairman and Station<br>Certificate Numbers |
|-------------------------------|----------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 2-16-17                       | TACH 887.2           |                     | Completed 100HR SERVICE/INSPECTION OF prop, Nub, BLADES, SPINNER. RESEARCHED AD'S thru 2017-4.                                                                    |                                                                       |
| prop TOTAL TIME S. NEW. 237.2 |                      |                     | SEE COMPLIANCE LIST W/ LOGS. I CERTIFY THIS prop HAS BEEN INSPECTED I/A/W A 100HR INSPECTION AND HAS BEEN FOUND TO BE IN AIRWORTHY CONDITION @ THIS TIME. — END — |                                                                       |
|                               |                      |                     |                                                                              | AP 3423075                                                            |
|                               |                      |                     |                                                                                                                                                                   |                                                                       |
|                               |                      |                     |                                                                                                                                                                   |                                                                       |
|                               |                      |                     |                                                                                                                                                                   |                                                                       |
|                               |                      |                     |                                                                                                                                                                   |                                                                       |
|                               |                      |                     |                                                                                                                                                                   |                                                                       |

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

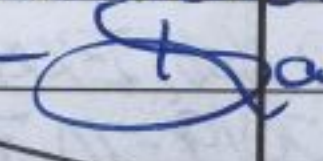


# F.A.A. AIRWORTHINESS DIRECTIVE AND SERVICE BULLETIN/ LETTER COMPLIANCE RECORD

| Date         | Total Propeller Time | Time Since Overhaul                                    | A.D./Bulletin/Letter Number | Authorized Signatures<br>Repairman and Station<br>Certificate Numbers |
|--------------|----------------------|--------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------|
| 3-13-18      | 901.1 TACH           | COMPLETED WORK SERVICE + INSPECTION AT THIS TIME.      |                             |                                                                       |
| TOTAL TIME   |                      | RESEARCHED AD'S - HOW CURRENT BI-WEEKLY, SEE           |                             |                                                                       |
| S. NEW 251.1 |                      | LIST W/LOGS. I CERTIFY THIS PROP HAS BEEN              |                             |                                                                       |
|              |                      | INSPECTED I/A/W A 100% INSPECTION AND HAS BEEN         |                             |                                                                       |
|              |                      | FOUND TO BE IN AIRWORTHY CONDITION AT THIS TIME. -END- |                             |                                                                       |
|              |                      | <i>[Signature]</i> 7/6 AP3423075                       |                             |                                                                       |
| 6-1-19       | 910.3 TACH           | COMPLETED WORK INSPECTION OF PROP HUB, BLADES, SPINNER |                             |                                                                       |
| S. NEW 260.3 |                      | BLKHEADS. RESEARCHED AD'S THRU 2019-10 BI-WEEKLY.      |                             |                                                                       |
|              |                      | SEE LIST W/LOGS. I CERTIFY THIS PROP HAS BEEN INSPE-   |                             |                                                                       |
|              |                      | CTED I/A/W 100% H2 INSPECTIONS AND WAS DETER-          |                             |                                                                       |
|              |                      | MINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.       |                             |                                                                       |
|              |                      | -END- <i>[Signature]</i> 7/6 AP3423075                 |                             |                                                                       |



# F.A.A. AIRWORTHINESS DIRECTIVE AND SERVICE BULLETIN/ LETTER COMPLIANCE RECORD

| Date           | Total Propeller Time | Time Since Overhaul                                                                     | A.D./Bulletin/Letter Number            | Authorized Signatures<br>Repairman and Station<br>Certificate Numbers |
|----------------|----------------------|-----------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------|
| 10-14-2020     | TACH- 910.8          |                                                                                         | PERFORMED 100HZ SERVICE AND INSPECTION |                                                                       |
|                | S. New- 260.8        |                                                                                         | OF PROPELLER. INSPECTED BLADES, HUB,   |                                                                       |
| AC.T.T. 910.8. |                      | SPINNER, BACKING PLATES. RESEARCHED ADS THRU                                            |                                        |                                                                       |
|                |                      | CURRENT FAA BIWEEKLY LISTING, SEE LIST WITH LOGS. I CERTIFY                             |                                        |                                                                       |
|                |                      | THIS PROP HAS BEEN INSPECTED I/N/W A 100HZ INSPECTION AND                               |                                        |                                                                       |
|                |                      | WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.                               |                                        |                                                                       |
|                |                      | - END -                                                                                 |                                        |                                                                       |
|                |                      |  4/4 | AP3423075                              |                                                                       |
|                |                      | <div>Log Book Close-out</div> <div>10-28-2021</div>                                     |                                        |                                                                       |
|                |                      |                                                                                         |                                        |                                                                       |
|                |                      |                                                                                         |                                        |                                                                       |
|                |                      |                                                                                         |                                        |                                                                       |



THE  
**adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**PROPELLER  
MAINTENANCE  
RECORDS**





## PROPELLER MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N780DM

Propeller Manufacturer MT

Hub Model MTV-9-B

Blade Design No. 198-52

Hub Serial No. 110285

Blade Serial No's.

1. ACB 42066
2. ACB 42067
3. ACB 42068
4. \_\_\_\_\_

Pitch Range:

High 27 ± 1 Low 7 ± 0.2

Feather \_\_\_\_\_ Reverse \_\_\_\_\_

Governor Manufacturer \_\_\_\_\_

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Date installed on aircraft 10/21/2011

Time Between Overhauls (TBO) 2400 Hours

If used on multi-engine aircraft:

- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |



(All applicable information must be filled in)

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P.O. Box 1359 / Southold, NY 11971-0965

(631) 765-9375

1-800-235-6444

FAX: (631) 765-9359

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SUB-TOTALS this page

**TOTALS**-Carry forward to next page