

AIRCRAFT TECHNICAL RECORD

Section 4. PROPELLER LOG

PROPELLER LOG

1. Make: MT-Propeller Entwicklung GmbH
2. Model: MTV-6-R/190-69
3. Specification Number: P19NE
4. Date of Manufacture: JUNE 19 2023
5. Hub Serial Number: 231261
6. Blades:
 - a. Design Number:
 - b. Blade Serial Numbers:
 - i. : AOC-98888
 - ii. : AOC-98889
 - iii. : AOC-98890
 - iv. :
 - c. Pitch Setting
 - i. Basic:
 - ii. High:
 - iii. Low:
 - iv. Reverse:
 - v.



Section 4A: Propeller Service and Maintenance Record

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HOURS	MIN	HOURS	MIN
BROUGHT FORWARD				

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N627PS
AC Serial Number: 40.NC257
Engine Serial Number: E4-A-06577
Prop Serial Number: 231261
Airframe Total Time: 3.2 HRS

- Total time **Propeller** Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.2 HRS
- Propeller installed new on DA 40 NG, S/N: 40.NC257
- Prop Dynamic Balance performed:
 - 0.0g located @ 000°
 - Balanced to 0.188 IPS
- Bi-weekly AWD check carried out to current revision 2023-16 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

[Signature]
DA
Q 8
Inspector

AUG 02 2023
Date

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Propeller (Annual) - page 1 of 1



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

N627PS

Hobbs: 151.3

M&T, MTV-6-R/190-69, S/N: 231261

TACH: 117.1

December 20, 2024

- Performed propeller 100hr inspected using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
- All routine service items performed.
- All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection at Take Flight Aviation, LLC., and that this propeller has been determined airworthy and is approved for service.

James T. Markey A&P 3166872 *[Signature]*

Propeller page 1 of 1



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N627PS

Hobbs: 297.6

M&T, MTV-6-R-C-F, S/N: 231261

Tach: 213.7

February 03, 2025

- Performed propeller 100hr inspected using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
- All routine service items performed.
- All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and is approved for service.

Bryce Hetherly A&P 3959164 *[Signature]*

BROUGHT FORWARD

TOTAL
SINCE NEW

CARRY TOTALS FORWARD to Top of Next Page

Propeller page 1 of 1



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N627PS**M&T, MTV-6-R-C-F, S/N: 231261****March 07, 2025**

Hobbs: 436.9

Tach: 306.2

1. Performed 100hr propeller inspection using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and is approved for service.

Bryce Hetherly A&P 3959164

Propeller (Annual) · page 1 of 1



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N627PS**M&T, MTV-6-R-C-F, S/N: 231261****April 24, 2025**

Hobbs: 581.3

Tach: 404.9

1. Performed 100hr propeller inspection using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed. Installed (1 gal) P/N SPIRAX-S6-GXME75W - Gearbox Oil.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and is approved for service.

Bryce Hetherly A&P 3959164

Propeller page 1 of 1



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N627PS**M&T, MTV-6-R-C-F, S/N: 231261****June 04, 2025**

Hobbs: 732.4

Tach: 507.8

1. Performed 100hr Propeller inspection using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and that this propeller has been determined airworthy and is approved for service.

Bryce Hetherly A&P 3959164

AIRFRAME



TAKE FLIGHT


Diamond
 AUTHORIZED SERVICE CENTER

 Take Flight Aviation
 49 Hangar Rd Montgomery, NY, 12549
 845-457-4188

N627PS

Diamond DA40NG S/N: 40.NC257

07/01/2025

Hobbs: 871.1

Tach: 606.4

1. Performed 100hr inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection. Re-installed after inspection.
5. ELT inspected and tested I/A/W FAR 91.207 (d). ELT S/N: 1001106-017 Battery EXP: 7/2029.
6. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
7. All routine service items performed.
8. Complied with Beringer brake STC ICAs as required.
9. All applicable ADs checked bi-weekly thru this date.
10. Air conditioning system placarded inoperative.

I certify that this airframe was inspected in accordance with a 100hr Inspection and approved for return to service.

James T. Markey A&P3166872

PROPELLER



TAKE FLIGHT


Diamond
 AUTHORIZED SERVICE CENTER

 Take Flight Aviation
 49 Hangar Rd Montgomery NY, 12549
 845-457-4188

N627PS

M&T MTV-6-R-C-F S/N: 231261

07/01/2025

Hobbs: 871.1

Tach: 606.4

1. Performed 100hr propeller inspected I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and is approved for return to service.

James T. Markey A&P3166872

PROPELLER



TAKE FLIGHT


Diamond
 AUTHORIZED SERVICE CENTER

 Take Flight Aviation
 49 Hangar Rd Montgomery NY, 12549
 845-457-4188

N627PS

M&T MTV-6-R-C-F S/N: 231261

08/08/2025

Hobbs: 1004.6

Tach: 703.1

TTSN: 703.1

1. Performed 100hr Propeller inspected I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and is approved for service.

James T. Markey A&P3166872

THIS PAGE TOTAL		
PREVIOUS TOTAL BROUGHT FORWARD		
TOTAL SINCE NEW		

CARRY TOTALS FORWARD to Top of Next Page

PROPELLER (ANNUAL)



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845 -457-4188

N627PS

M&T MTV-6-R-C-F S/N: 231261

09/12/2025

Hobbs: 1141.5

Tach: 801.1

TSN: 801.1

1. Performed annual propeller inspected I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC and that this propeller has been determined airworthy and is approved for service.

James T. Markey
James T. Markey A&P31668721A

9/12/25

PROPELLER



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845 -457-4188

N627PS

M&T MTV-6-R-C-F S/N: 231261

11/04/2025

Hobbs: 1274.8

Tach: 896.2

1. Performed 100hr propeller inspection I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and has been determined airworthy and approved for return to service.

Bryce Hetherly
Bryce Hetherly A&P3959164

PROPELLER



Take Flight Aviation
49 Hangar Rd Montgomery NY, 12549
845 -457-4188

N627PS

M&T MTV-6-R-C-F S/N: 231261

12/23/2025

Hobbs: 1424.6

Tach: 996.4

1. Performed 100hr propeller inspection I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.

I certify that this propeller has been inspected in accordance with a 100hr Inspection and is approved for service.

Bryce Hetherly
Bryce Hetherly A&P3959164