

N227PS

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: MAY 10 2023
5. Hub Serial Number: 231133
6. Blades:
 - a. Design Number:
 - b. Blade Serial Numbers:
 - i. : AOB-98074
 - ii. : AOB-98075
 - iii. : AOB-98076
 - iv. :
 - c. Pitch Setting
 - i. Basic:
 - ii. High:
 - iii. Low:
 - iv. Reverse:
 - v.



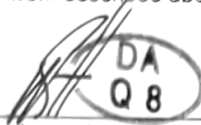
Section 4A: Propeller Service and Maintenance Record



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

Registration	N227PS
AC Serial Number	40 NC247
Engine Serial Number	E4-A-06535
Prop Serial Number	231133
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 NC247
- Prop Dynamic Balance performed
 - 0.0g located @ 000°
 - Balanced to 0.173 IPS
- Bi-weekly AWD check carried out to current revision 2023-12 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.


Inspector

JUN 16 2023

Date

(Intentionally left blank below this point)



Prop Log Entry

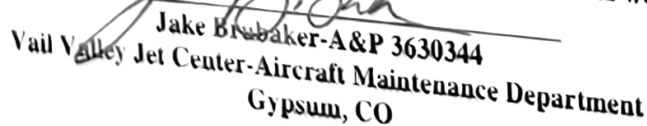
Diamond DA-40NG
Engine: Austro E4
Prop: MT MTV-6
WO#SO-24-00433

Aircraft: N227PS
Aircraft S/N: 40.N247
Engine S/N: E4-A-06535
Prop S/N: 231133

Airframe TT: 82.0
Engine TT: 58.0
Prop TT: 58.0
Date: 6-19-24

Performed Annual/100hr inspection per MT AMM checklist and FAR 43, Appendix D. Checked blades, spinner, bulkhead and fasteners for condition and security. Inspect erosion sheath by visual inspection next due at tach time of 182hrs. Performed AD search through AD toolbox, No new AD's at this time.

I certify all maintenance performed on this aircraft was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.


Jake Brubaker-A&P 3630344
Vail Valley Jet Center-Aircraft Maintenance Department
Gypsum, CO

aux@vvjc.com
Phone: 970-524-4003-Fax: 970-524-9428

NAME/
SIGNATURELICENCE
AME or
AMO/ACA

1 Approving FAA Authority United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3 Form Tracking Number 2A 53227	
4 Organization Name and Address Rocky Mountain Propellers, Inc. 2865 Airport Drive Frie, Colorado 80516				5 Work Order/Contract/Invoice Number 2A 53227		
6 Item	7 Description	8 Part Number	9 Quantity	10 Serial Number	11 Status/Work	
1	MT Propeller	MTV-6-R/190-69	1	231133	Repaired	
12 Remarks						
Overhauled blade and replaced leading edge on blade s/n AOB-98075, and resealed propeller in reference to MT Service Manual # P-220, AIA (61-12-20), Rev. 70, and other supporting documents. This work does not affect time since last overhaul. Propeller Hub S/N - 231133 Blade # 1 - AOB-9807 Blade # 2 - AOB-9807 Blade # 3 - AOB-9807 T.C. 78.7 78.7 78.7 78.7 78.7 A complete description of work performed is on file at the above referenced organization under the work order and system tracking reference number indicated in blocks 3 and 5. Notice: An Airworthiness Directive may apply to the article(s) described herein. The installer is responsible for ensuring complete compliance with any applicable Airworthiness Directives. Certifies that the work specified in block 11/12 was carried out in accordance with FAR Part-145 and IASA Part-145 and in respect to that work the component is considered ready for release to service under FARA Approval Number: FARA 145 4837.						
13a. Certifies the items identified above were manufactured in conformity to:			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.			
☐ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12						
13b. Authorized signature:		13c. Approval/Authorization No.		14b. Authorized signature:		14c. Approval/Certificate No.
				Dave Hampel		PR6R545N
13d. Name (Typed or Printed)		13e. Date (dd/mm/yyyy)		14d. Name (Typed or Printed)		14e. Date (dd/mm/yyyy)
				Dave Hampel		15 Oct 2024
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.						
FAA Form 8130-3 (03-14)				NSN 0052-00-012-9005		

Professional Aircraft Services, LLC., 4824 Earhart Rd, Loveland CO 80538

Date: 10-22-2024 Logbook: Propeller Tail Number: N227PS

Tach: 78.7 TSPN: 78.7 Prop: MT - Propellers MTV-6-R/190-69 Serial: 231133

- Removed propeller (Model: MTV-6-R/190-69, S/N: 231133) for repair. Reinstalled Propeller (Model: MTV-6-R/190-69, S/N: 231133) after repair by Rocky Mountain Propellers, Inc. under W.O. 24-53227, torqued as required. All work done in accordance with DA40 aircraft maintenance manual section 61-11-00, para B. Operational check and leak check satisfactory.

Certificate: AP3258753IA | Authorized Technician: Terry Cecil Sign:

| Date: 10-22-2024

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N227PS MT MTV-6-R/190-69 S/N: 231133 Propeller Total Time: 150.3
27 June 2025 Tach Time: 150.3 Hobbs: 211.3 Calendar Time: 1 Years 1 Mo
 100 Hour Inspection for Annual completed this date using the Diamond Maintenance Manual Inspection Form 05-28-00 for Model DA40 NG as a guide. Checked hub, blades, spinner bulkhead and spinner. AD's checked through Biweekly 2025-12. I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Kevin Mosher A&P 3443784

w/o 46138

AUTHORIZED RELEASE CERTIFICATE

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

1. Approving Civil Aviation Authority/Country United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number 24-51227		
4. Organization Name and Address Rocky Mountain Propellers, Inc 2865 Airport Drive Brie, Colorado 80516				5. Work Order/Contract/Invoice Number 24-51227			
6. Item	7. Description	8. Part Number	9. Quantity	10. Serial Number	11. Status/Work		
1	MT Propeller	MTV-6-R / 190-69	1	231133	Repaired		
12. Remarks					TQM TSO		
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13a. Certify the items identified above were manufactured in conformity to:			14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12				
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13b. Authorized Signature:		13c. Approval/Authorization No.		13d. Authorized Signature		13e. Approval Certificate No.	
13f. Name (Typed or Printed)		13g. Date (dd/mm/yyyy)		13h. Name (Typed or Printed)		13i. Date (dd/mm/yyyy)	
				Dave Harguel		FR68545N 15 Oct 2024	
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FAA Form 8130-3 (01-14)

NSN (601) 00-013-9005

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Terry Cecil

| Date: 10-22-2024

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N227PS

MT

MTV-6-R/190-69

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