

# AIRCRAFT TECHNICAL RECORD

## Section 4. PROPELLER LOG

1. Approving Competent Authority/Country Zuständige Genehmigungsbehörde / Staat <b>Luftfahrt-Bundesamt / Germany</b>		2. <b>AUTHORISED RELEASE CERTIFICATE</b> <b>EASA FORM 1</b> Freigabebescheinigung EASA-Formblatt 1			3. Form Tracking Number Lfd. Nummer <b>3388/21</b>	
4. Organisation Name and Address: Name und Anschrift des Unternehmens <b>MT-Propeller Entwicklung GmbH</b> <b>Flugplatzstraße 1</b> <b>94348 Atting - Germany</b>					5. Work Order/Contract/Invoice Arbeitsauftrag/Bestellung/Rechnung <b>2010028396</b>	
6. Item Pos.	7. Description Beschreibung	8. Part No. Teile-Nr.	9. Qty. Menge	10. Serial No. Werk-Nr.	11. Status/Work Status/Arbeiten	
1	<b>MTV-Propeller Spinner Assembly</b>	<b>MTV-6-R/190-69</b>	1	<b>211330</b>	"NEW"	
2		<b>P-828</b>	1	<b>N/A</b>	"NEW"	
<p>(1) This propeller confirms to its United States type design (Type Certificate no. P19NE ) and is in a condition for safe operation  (2) This propeller has been subjected by the manufacturer to a final operation check and is in a proper state for airworthiness. Reference FAR Section 21.500 which provides for the airworthiness acceptance of aircraft, engines or propellers manufactured outside the U.S. for which a U.S. type certificate has been issued. Additional guidance is contained in Advisory Circular 21-23, Airworthiness Certification of Civil Aircraft, Engines, Propellers and Products, imported into the United States.</p>						
12. Remarks Bemerkungen <b>New Propeller</b> <b>Blades: 1: AMF-87905, 2: AMF-87906, 3: AMF-87907</b> <b>Year of construction: 2021, TSN: 00:00 hrs.</b> <b>The propeller conforms with the EASA TCDS No. P.094, rev. 3</b> <b>The propeller conforms to the FAA TCDS No. P19NE, rev. 8</b> <b>The propeller identified by this Certificate has been examined and found to conform to the Canadian Department of Transport Type Certificate P-42, issue 3</b>						
13a. Certifies that the items identified above were manufactured in conformity to: Bescheinigt, dass die oben angegebenen Artikel hergestellt wurden in Übereinstimmung mit:  <input checked="" type="checkbox"/> approved design data and are in a condition for safe operation genehmigten Konstruktionsdaten und sich in einem betriebssicheren Zustand befinden  <input type="checkbox"/> non-approved design data specified in block 12 nicht genehmigten Konstruktionsdaten gemäß Angabe in Feld 12				14a. <input type="checkbox"/> Part 145 A.50 Release to Service Teil 145 A.50 Freigabe <input checked="" type="checkbox"/> Other Regulation specified in block 12 Andere in Feld 12 angegebene Vorschrift. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service. Bescheinigt hiermit, dass wenn in Feld 12 nichts anderes festgelegt ist, die in Feld 11 aufgeführte und in Feld 12 beschriebene Arbeit in Übereinstimmung mit Teil 145 durchgeführt wurde und dass der Artikel im Hinblick auf diese Arbeit für die Erteilung einer Freigabe geeignet ist.		
13b. Authorised Signature Rechtsgültige Unterschrift 		13c. Approval/Authorisation Number Nr. der Genehmigung <b>DE.21G.0008</b>		14b. Authorised Signature: Rechtsgültige Unterschrift		14c. Certificate/Approval Ref. No. Nr. der Genehmigung / Zulassung
13d. Name Name <b>Alois Zirngibl</b>		13e. Date (dd mmm yyyy) Datum (TT MMM JJJJ) <b>06 Sep 2021</b>		14d. Name Name		14e. Date (dd mmm yyyy) Datum (TT MMM JJJJ)
<b>USER/INSTALLER RESPONSIBILITIES</b> This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in block 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. <b>VERANTWORTLICHKEITEN DES BENUTZERS/AUSRÜSTERS</b> Diese Bescheinigung verleiht nicht automatisch die Befugnis zum Einbau der Artikel. Führt der Benutzer/Ausrüster Arbeiten in Übereinstimmung mit den Vorschriften einer anderen Luftfahrtbehörde als der in Feld 1 angegebenen Luftfahrtbehörde durch, muss der Benutzer/Ausrüster sicherstellen, dass seine Luftfahrtbehörde Artikel der in Feld 1 angegebenen Luftfahrtbehörde akzeptiert. Angaben in den Feldern 13a und 14a stellen keine Einbaubescheinigung dar. In jedem Fall müssen die Instandhaltungsunterlagen des Luftfahrzeugs eine Einbaubescheinigung enthalten, die in Übereinstimmung mit den nationalen Vorschriften vom Benutzer/Ausrüster ausgestellt wurde, bevor ein Flug mit dem Luftfahrzeug durchgeführt werden darf.						

RC2105231



# PROPELLER LOG

1. Make:	MT-Propeller Entwicklung GmbH
2. Model:	MTV-6-R/190-69
3. Specification Number:	P19NE
4. Date of Manufacture:	SEPTEMBER 06 2021
5. Hub Serial Number:	211330
6. Blades:	
a. Design Number:	
b. Blade Serial Numbers:	
i. :	AMF-87905
ii. :	AMF-87906
iii. :	AMF-87907
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: N216DA  
AC Serial Number: 40.NC156  
Engine Serial Number: E4-A-06123  
Prop Serial Number: 211330  
Airframe Total Time: 3.9 HRS

- Total time Propeller Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.9 HRS
- Propeller installed new on DA 40 NG, S/N: 40.NC156
- Prop Dynamic Balance performed:
  - 0.0g located @ 000°
  - Balanced to 0.020 IPS
- Bi-weekly AWD check carried out to current revision 2021-23 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

  
Inspector

NOV 15 2021  
Date

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## PROPELLER LOGBOOK ENTRY


Date: JULY 15-2022

Acft: N216DA  
DIAMOND: DA-40NG  
S/N: 40.NC156

PROP MODEL: MTV-6-R/190-69  
PROP TSN: 105.7  
PROP S/N: 211330

Complied with 100 hr. inspection in accordance with FAR Part 43 Appendix D, using Diamond Maintenance Manual Inspection Form. MT E-124 Operation and Installation Manual, Complied with AD research none apply at this time.

I certify that the Propeller above was inspected, in accordance with DA 40 NG Series 100/200-Hours Inspection Form Chapter 05-28-00 and was determined to be in airworthy condition and is approved for return to service.

  
JUAN M DELGADO 3147836 A&P


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PREVIOUS TOTAL BROUGHT FORWARD			
<b>TOTAL SINCE NEW</b>			

CARRY TOTALS FORWARD to Top of Next Page

NAME/  
SIGNATURE

LICENCE:  
AME or  
AMO/ACA



### PROPELLER LOGBOOK ENTRY

Date: JANUARY 04-2023

Acft: N216DA  
DIAMOND: DA-40NG  
S/N: 40.NC156

PROP MODEL: MTV-6-R/190-69  
PROP TSN: 265.9  
PROP S/N: 211330

Complied with 100 hr. Inspection in accordance with FAR Part 43 Appendix D, using Diamond Maintenance Manual Inspection Form. MT E-124 Operation and Installation Manual, Complied with AD research none apply at this time.

I certify that the Propeller above was inspected, in accordance with DA 40 NG Series 100/200 Hours Inspection Form Chapter 05-28-00 and was determined to be in airworthy condition and is approved for return to service.

  
JUAN M DELGADO 3147836 A&P / IA



### PROPELLER LOGBOOK ENTRY

Date: DECEMBER 21-2023

Acft: N216DA  
DIAMOND: DA-40NG  
S/N: 40.NC156

PROP MODEL: MTV-6-R/190-69  
PROP TSN: 351.6  
PROP S/N: 211330

Complied with 100/200 hr. Inspection in accordance with FAR Part 43 Appendix D, using Diamond Maintenance Manual Inspection Form. MT E-124 Operation and Installation Manual, Complied with AD research none apply at this time.

I certify that the Propeller above was inspected, in accordance with DA 40 NG Series 100/200 Hours Inspection Form Chapter 05-28-00 and was determined to be in airworthy condition and is approved for return to service.

  
JUAN M DELGADO 3147836 A&P / IA

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S/ wo: WO - 222



DarkHorse Maintenance LLC · 4430 AIRPORT RD · SPRINGFIELD, TN 37172 · 615-626-0870

March 26, 2024

**N216DA**  
ACFT TACH: 447.7  
**MT-Propeller, MT-V-6-R/190-69, S/N: 211330**  
ACFT TTSN: 447.7 PROPELLER TTSN: 447.7

Performed a 100HR inspection I/A/W 14 CFR FAR part 43 APPX D.  
• Researched all AD's through 26 MARCH 2024 and found to be in compliance.  
• Cleaned and inspected propeller; no defects noted at this time.  
• Performed engine run up to ensure propeller makes static RPM and to check for abnormal vibrations, no defects noted at this time.


I certify this propeller has been inspected I/A/W a 100HR inspection and was found to be in an airworthy condition.

Donald Huffman A&P/IA 3842583

**Memphis Propeller & Accessories LLC**  
Olive Branch, MS  
FAA CRS# MPAR349E

**This Propeller Has Been Overhauled as per Maintenance Release Tag Under Work Order No. 24867.**  
Model: MTV-6-R S/N: 211330

  
Inspector 03/Jun/2024

1. Approving Civil Aviation Authority / Country: FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 24867	
4. Organization Name and Address: MEMPHIS PROPELLER & ACCESSORIES LLC MPAR349E 1850 Airport Rd, Olive Branch, Mississippi 38654		5. Work Order/Contract/ Invoice Number: 24867		6. Model Number: 211330	
12. Remarks: Overhauled Propeller Assembly. All work specified has been performed with reference to FAA approved data and Manufacturer's data MT-Propeller Manual E-220, E-808. TSN: unk TSO: 0.0 Blade Model: 190-69 S/N: AMF-87905, AMF-87906, AMF-87907 All applicable work history is kept on file at Memphis Propeller & Accessories LLC on Work Order 24867.		11. Status / Work: Overhauled			
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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: 	
13d. Name (Typed or Printed):		13e. Date (m/d/y): 00/00/00		14c. Approval/ Certificate No.: MPAR349E	
				14d. Name (Typed or Printed): Steven J. Ritchie	
				14e. Date (dd/mmm/yyyy): 03/JUN/2024	