

mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

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

MTE - 1198
Juni 2005

Owner Name _____

Address _____

Propeller Model: MT 175 R 150 - 2Ca

Hub Serial No.: 18018

Year of Construction: 2018

**Please note that the torque of the prop
mounting bolts must be checked after first flight,
next 25 hours and than lattest every 100 hours or once a year !**

**Please check required torque on the decal located at the prop hub. In case you can't identify the torque
you must contact the next authorized service station. For more informations please read the
Operating & Installation Manual E-112 send with the propeller.**

INSTALLATION HISTORY

Date	Aircraft Model, Registration & Serial No., Tacho or Hobbs-Time
11/20/2018	Diamond DA20-C1, N484PA, C0258, Tach: 3383.5
4/28/2019	Diamond DA20-C1, N356AF, C0050, Tach: 6778

1 1

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1. Approving Competent Authority/Country
 Zuständige Genehmigungsbehörde / Staat
 Luftfahrt-Bundesamt / Germany

AUTHORISED RELEASE CERTIFICATE
EASA FORM 1
 Freigabebescheinigung EASA-Formblatt 1

3. Form Tracking Number
 Lfd. Nummer
 1189/18

4. Organisation Name and Address:
 Name und Anschrift des Unternehmens

MT-Propeller Entwicklung GmbH
 Airport Straubing-Wallmühle
 94348 Aiting - Germany

5. Work Order/Contract/Invoice
 Arbeitsauftrag/Bestellung/Forderung
 2010019568

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	MT-natural composite fixed pitch propeller	MT 175 R 150 - 2Ca	1	18018	"NEW"

12. Remarks
 Bemerkungen
 New Propeller
 Year of construction: 2018, TSN: 00:00 hrs.
 The propeller conforms with the FAA TCDS No. P19BO, rev. 4

13a. Certifies that the items identified above were manufactured in conformity to:
 Bescheinigt, dass die oben angegebenen Artikel hergestellt wurden in Übereinstimmung mit:



approved design data and are in a condition for safe operation
 genehmigten Konstruktionsdaten und sich in einem betriebssicheren Zustand befinden

non-approved design data specified in block 12
 nicht genehmigten Konstruktionsdaten gemäß Angabe in Feld 12

13b. Part-145 A.50 Release to Service
 Teil-145 A.50 Freigabe
 Andere in Feld 12 angegebene Vorschrift

13c. Other Regulation specified in block 12
 Andere in Feld 12 angegebene Vorschrift

14a. 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 angegeben 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 genehmigt ist.

13b. Authorised Signature Rechtsgültige Unterschrift 	13c. Approval/Authorisation Number Nr. der Genehmigung DE.21G.0008	14b. Authorised Signature Rechtsgültige Unterschrift 	14c. Certificate/Approval Ref. No. Nr. der Genehmigung / Zulassung
13d. Name Name Gregor Paisdzior	13e. Date (dd mmn yyy) Datum (TT MMM JJJ) 24 Apr 2018	14d. Name Name	14e. Date (dd mmn yyy) Datum (TT MMM JJJ)

USER/INSTALLER RESPONSIBILITIES
 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.

VERANWORTLICHKEITEN DES BENUTZERS/AUSRÜSTERS
 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 Instandhaltungsurkunden des Luftfahrzeuges eine Einbaubescheinigung enthalten, die in Übereinstimmung mit den nationalen Vorschriften vom Benutzer/Ausrüster ausgestellt wurde, bevor ein Flug mit dem Luftfahrzeug durchgeführt werden darf.

1. Approving Civil Aviation Authority/Country:
FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

19-116MT

4. Organization Name and Address
MT-Propeller USA, Inc.
1180 Airport Terminal Dr.
Deland, FL 32724

FAA Approved Repair Station Q4MR908Y

5. Work Order/ Contract/Invoice Number:

19-116MT

6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Aircraft Propeller	MT175R150-2Ca	1	18018	Repaired

12. Remarks:
Repaired and repainted propeller in accordance with W/O# 19-116MT and Overhaul Manual E-497.
Covered both trailing edges with fiber glass. Leading edges were not replaced.
Year of Manufacture: 2018
TSN: not provided
TCDS: P19BO

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 regulations 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:	14c. Approval/ Certificate No.:
_____	_____	_____	Q4MR908Y
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):
_____	_____	Peter Marshall, Chief Inspector	23/Apr/2019

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

User/Installer Responsibilities

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.

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 11/20/2018 Tail #: N484PA

A/C Make/Model: Diamond DA20-C1

Prop Make: MT-Propeller USA, Inc. Prop Model: MT 175 R

150-2Ca Prop S/N: 18018

Tach Time: 3383.5 TSN: 0.0

Work Performed: Removed MT 175 R 150-2Ca propeller S/N: 12067. Installed new MT 175 R 150-2Ca propeller S/N: 18018. Performed ground run and checked torque. Next re-torque required after first flight.

All work listed above was performed I/A/W STC SA03373AT, MT Installation Instructions Doc. No. E-1343, and E-112 Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



Casey McGuffee A&P 3957181

SERVICE LOG

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 11/21/2018 Tail #: N484PA

A/C Make/Model: Diamond DA20-C1

Prop Make: MT-Propeller USA, Inc. Prop Model: MT 175 R

150-2Ca Prop S/N: 18018

Tach Time: 3384.5 TSN: 1.0

Work Performed: Performed prop bolt torque check after first flight. Next torque check due at tach time: 3409.5.

All work listed above was performed I/A/W STC SA03373AT, MT Installation Instructions Doc. No. E-1343, and E-112 Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



Casey McGuffee A&P 3957181

MAINTENANCE &

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 12/19/2018 Tail #: N484PA

A/C Make/Model: Diamond DA20-C1

Prop Make: MT-Propeller USA, Inc.

Prop Model: MT 175 R 150-2Ca Prop S/N: 18018

Tach Time: 3409.9 TSN: 26.4

Work Performed: Performed 25 hour prop bolt torque check.

All work listed above was performed I/A/W STC SA03373AT, MT Installation Instructions Doc. No. E-1343, and E-112 Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



Casey McGuffee A&P 3957181

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 2/13/2019 Tail #: N484PA

A/C Make/Model: Diamond DA20 Prop Make: MT- Propeller
USA Prop Model: MT 175R 150-2Ca

A/C S/N: C0258 Prop S/N: 18018

Tach Time: 3457.0 Prop TT: 73.5

Work Performed: Performed 100 hour re-torque and 100 hour inspection. Removed spinner and inspected.

All work listed above was done I/R/T STC# SA03373AT and mt-propeller ATA 61-01-12 (E112) Operation and Installation Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



Casey McGuffee A&P 3957181

NOTE: Enter Compliance With All Applicable FAA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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MAINTENANCE & SERVICE HISTORY

Total Propeller	Time	Authorized Signatures Repairman and Station Certificate Numbers
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		
Propeller Model: MT175R150-2Ca		
S/N: 18018		
Propeller TSN: Not provided		
Repaired and repainted propeller in accordance with W/O: 19-1165MT and overhaul manual E-497. Covered both trailing edges with fiber glass.		
Leading edges were not replaced.		
Year of manufacture: 2018		
I certify this propeller has been repaired and determined to be in airworthy condition at this time. Return to service this date, April 23, 2019		
Peter Marshall, Chief Inspector Q4MR908Y		

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



MAINTENANCE & SERVICE HISTORY

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 4/28/2019 Tail #: N356AF

A/C Make/Model: Diamond DA20 Propeller Make: MT- Propeller USA

Propeller Model :MT 175 R150 2Ca A/C S/N: C0050

Propeller S/N: 18018 Tach Time: 677.8 Propeller TT: 73.5

Work Performed: Installed propeller S/N: 18018 repaired by mt-propeller USA under work order 19-116MT. Reference 337 dated 5/20/2019. Weight and balance change negligible.

All work listed above was done I/R/T Diamond DA20 Maintenance Manual, STC# SA03373AT and mt-propeller ATA 61-01-12 (E112) Operation and Installation Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



Casey McGuffee A&P 3957181

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 5/20/2019 Tail #: N356AF

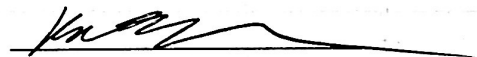
A/C Make/Model: Diamond DA20 Propeller Make: MT- Propeller USA

Propeller Model :MT 175 R150 2Ca A/C S/N: C0050

Propeller S/N: 18018 Tach Time: 677.8 Propeller TT: 73.5

Work Performed: Performed 100 hour inspection. Removed spinner and inspected.

All work listed above was done I/R/T Diamond DA20 Maintenance Manual, STC# SA03373AT and mt-propeller ATA 61-01-12 (E112) Operation and Installation Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.

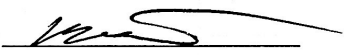


William Painter A&P 31706951A

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

MAINTENANCE & SERVICE HISTORY

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

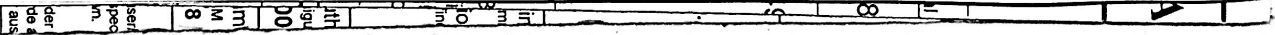
	Total Propeller	Time				
Kane Aviation LLC 22 Waypoint Dr NW Roanoke, VA 24012						
Propeller Date: 5/20/2019 Tail #: N356AF A/C Make/Model: Diamond DA20 Propeller Make: MT- Propeller USA Propeller Model :MT 175 R150 2Ca A/C S/N: C0050 Propeller S/N: 18018 Tach Time: 677.8 Propeller TT: 73.5						
I certify that this propeller has been inspected I/A/W a 100 Hour Inspection and determined to be in airworthy condition.						
 William Painter A&P 31706951A						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; height: 20px;"></td> <td style="width: 25%; height: 20px;"></td> <td style="width: 25%; height: 20px;"></td> <td style="width: 25%; height: 20px;"></td> </tr> </table>						
NOTE: Enter Compliance With All Applicable F...						

Propeller Date: 5/21/2019 **Tail #:** N356AF
A/C Make/Model: Diamond DA20-C1
Prop Make: MT-Propeller USA, Inc.
Prop Model: MT 175 R 150-2Ca **Prop S/N:** 18018
Tach Time: 678.3 **Total Time:** 74.0

Work Performed: Performed prop bolt torque check after first flight. Next torque check due at tach time: 703.3.

All work listed above was performed I/A/W STC SA03373AT, MT Installation Instructions Doc. No. E-1343, and E-112 Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.


 Casey McGuffee A&P 3957181



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

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 5/19/2020 Tail #: N356AF
A/C Make/Model: Diamond DA20 Propeller Make: MT- Propeller USA
Propeller Model : MT 175 R150 2Ca A/C S/N: C0050
Propeller S/N: 18018 Tach Time: 683.0 Propeller TT: 78.7

Work Performed: Reinstalled propeller after engine install. Re-torque due after first flight.

All work listed above was done I/R/T Diamond DA20 Maintenance Manual, STC# SA03373AT and mt-propeller ATA 61-01-12 (E112) Operation and Installation Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 3170695

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 4/12/2021 Tail #: N356AF
A/C Make/Model: Diamond DA20 Propeller Make: MT- Propeller USA
Propeller Model: MT 175 R150 2Ca A/C S/N: C0050
Propeller S/N: 18018 Tach Time: 683.5 Propeller TT: 79.2

Work Performed: Performed 100 hour inspection. Removed spinner and inspected. Torqued propeller nuts.


All work listed above was done I/R/T Diamond DA20 Maintenance Manual, STC# SA03373AT and mt-propeller ATA 61-01-12 (E112) Operation and Installation Manual. In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 31706951A

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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 Repairman and Station Certificate Numbers
Kane Aviation LLC 22 Waypoint Dr NW Roanoke, VA 24012				
Propeller Date: 4/12/2021 Tail #: N356AF				
A/C Make/Model: Diamond DA20 Propeller Make: MT- Propeller USA				
Propeller Model: MT 175 R150 2Ca A/C S/N: C0050				
Propeller S/N: 18018 Tach Time: 683.5 Propeller TT: 79.2				
I certify that this propeller has been inspected I/R/T a 100 Hour Inspection and determined to be in airworthy condition.				
 William Painter A&P 31706951A				

Prop Logbook

Date: 06/17/2022



Reg No: N356AF	Aircraft Type: DA-20	Aircraft S/N: C0050
Flight: N/A	Hobbs: 3145.5	Aircraft Total Time: 3145.5
TACH: 727.7	Engine SMOH: 0.0	Engine total time: 2417.3
PROP S/N: 18018	Prop TT: 123.4	Prop SMOH: 49.9

1. Removed propeller for engine overhaul. P/N: MT 175 R150 2CA S/N: 18018 Reinstalled prop IAW aircraft and prop maintenance manual. Check bolt torque after the FIRST FLIGHT, after the first 25 hours and after that as necessary, but at least EVERY 50 HOURS.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 06/17/2022

Signed: 
Nathan Parton, A&P: 4368564

Inside & Out Aircraft Services, Inc.
256 Aviation Rd., Pikeville, NC 27863 Ph. (919) 947-5207

N356AF
05/20/2021
Propeller
Tach: 688.5

Dynamically balanced propeller adding 25.1 grams to spinner. ACES prop balancer recorded final vibration as .06ips. Checked propeller track. Operation check good.
----END----

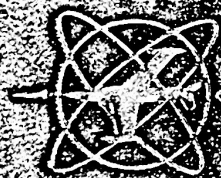

David T. Blanton

A&P3669032.1A
Certificate #

05/20/2021
Date

MT-Propeller Entwicklung GmbH
Flugplatzstraße 1
D-94348 Aiting, Germany
Tel.: +49-(0)9429-9409-0
Fax:+49-(0)9429-8432
E-mail: sales@mt-propeller.com
Internet: www.mt-propeller.com

MT-Propeller USA, Inc.
1180 Airport Terminal Drive
DeLand, FL 32724
USA
Tel.: (386) 736-7762
Fax: (386) 736-7696
E-mail: info@mt-propellerusa.com
Internet: www.mt-propellerusa.com



The Standard

PROPELLER LOG

ASA-SPL

Model: Diamond DA20-C1 S/N: C0050 Reg# N356AF	MT Propeller MT 175R150-2Ca S/N: 18018	Tach: 876.2 TTP: 271.9
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C/W Annual/100 hr. inspection IAW Diamond DA20-C1 Maintenance Manual & Single Engine Inspection Guide. Checked Torque on Propeller Bolts to 25 ft/lbs. All AD's are current to 6-16-23. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: June 16, 2023
Inspector: Scott Wilson
Scott Wilson A&P3142227

Model: Diamond DA20-C1 S/N: C0050 Reg# N356AF	MT Propeller MT 175R150-2Ca S/N: 18018	Tach: 967.7 TTP: 363.4
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C/W Annual/100 hr. inspection IAW Diamond DA20-C1 Maintenance Manual & Single Engine Inspection Guide. Checked Torque on Propeller Bolts to 25 ft/lbs. All AD's are current to 2-11-24. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Date: February 11, 2024
Inspector: Scott Wilson
Scott Wilson A&P3142227

Mech. Cert. # or Repair Station #

Model: Diamond DA20-C1 S/N: C0050 Reg# N356AF	MT Propeller MT 175R150-2Ca S/N: 18018	Tach: 876.2 TTP: 271.9
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C/W Annual/100 hr. inspection IAW Diamond DA20-C1 Maintenance Manual & Single Engine Inspection Guide. Checked Torque on Propeller Bolts to 25 ft/lbs. All AD's are current to 6-16-23. I certify that this propeller has been inspected in accordance with a

Model: Diamond DA20-C1 S/N: C0050 Reg# N356AF	MT Propeller MT 175R150-2Ca S/N: 18018	Tach: 924.5 TTP: 320.2
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Re-torqued Prop bolts to 25 ft/lbs

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: Scott Wilson
Scott Wilson A&P3142227

Date: December 12, 2023

on Propeller Bolts to 25 ft/lbs. All AD's are current to 2-11-24. I certify that this propeller has been inspected in accordance with a 100 HR inspection and determined airworthy this date.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this Facility under the above referenced Work Order.

Inspector: Scott Wilson
Scott Wilson A&P3142227

Year: _____

Date: _____

Next Ins Due: _____

Date: February 11, 2024

Mech. Cert. # or Repair Station # _____

Year: _____
 Date: _____
 Next Due: _____

Airframe:	Diamond	mn: DA20-C1;	sn: C0050;	TTAF: 2549.5
Engine:	TCM:	mn: IO-240-B3B:	sn: 1006616	EngTT: 2754.3; TSO: 339.0
Propeller:	MT Propeller:	mn: MT175R-150-2Ca	sn: 18018	PropTT: 462.3; TSO: NA
Propeller:	Sensenich:	mn: 74DM5S-5-0-54:	sn: A44543 ;	PropTT: unkn; TSO: 598.6

ACTIONS

I certify that this propeller has been inspected I.A.W. a 100hr inspection with the scope & detail of 14 CFR Part 43
 Torqued propeeler attaching hardware to 25 ft/lbs.
 Appendix. D & is in airworthy condition
 Michael Tevik A&P2828465IA

Michael Tevik Tach Time: 1066.7 *ME*
 4/23/2024

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 # _____