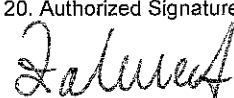




PROPELLER LOG

1. Make MT-PROPELLER ENTWICKLUNG GmbH
2. Model MTV-6-A-C-F/CF187-129
3. Specification No. P19NE
4. Date of Manufacture
5. Hub Serial No. 06447
6. Blades
 - (a) Design No.
 - (b) Blade Serial Nos.
 - (i) XC-25383
 - (ii) XC-25384
 - (iii) XC-25385
 - (iv)
 - (v)
 - (c) Pitch Setting
 - (i) Basic
 - (ii) High
 - (iii) Low
 - (iv) Reverse

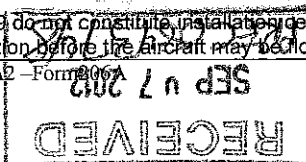
1. Approving National Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number 12-270MT	
4. Organization Name and Address MT-Propeller USA, Inc. FAA Approved Repair Station Q4MR908Y 1180 Airport Terminal Dr. DeLand, FL 32724						5. Work Order/ Contract/Invoice Number: 12-270MT	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	Aircraft Propeller	MTV-6-R-C-F/CF187-129	N / A	1	06447	Overhaul	
13. Remarks Overhauled propeller in accordance with W/O# 12-270MT and Overhaul Manual E-220. Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C. Installed 3 new leading edges and 3 new liquid de-ice boots. Blade S/N: 1) XC-25383 2) XC-25384 3) XC-25385 Year of Manufacture: 2006 TSN: 411.6 hrs. TSO: 0.0 hrs. TCDS: P19NE							
14. 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 13.				19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulations specified in Block 13 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:		21. Approval/Certificate No.:	
						Q4MR908Y	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):	
				Juergen Zahner, Chief Inspector		August 30, 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.



1. Approving Competent Authority / Country Zuständige Genehmigungsbehörde/Staat LUFTFAHRT – BUNDESAMT / Germany		AUTHORISED RELEASE CERTIFICATE Autorisierte Freigabebescheinigung EASA FORM 1 EASA Formblatt 1				3. Form Tracking Number Lfd. Formularnummer 933/06	
4. Approved Organisation Name and Address: Name und Anschrift des genehmigten Betriebes MT-Propeller Entwicklung GmbH Airport Straubing – Wallmühle, D-94348 Atting, Germany						5. Work Order/Contract/Invoice Arbeitsauftrag/Vertrag/Lieferschein 20501250	
6. Item Lfd. Nr.	7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten	
1	MTV-Propeller	MTV-6-A-C-F/CF187-129	TAE-125-01	1	06447	"MANUFACTUR	
13. Remarks Bemerkungen New Propeller Blades: 1: XC-25383, 2:XC-25384, 3: XC-25385 Year of construction: 2006, TSN: 00:00 hrs The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)							
14. Certifies that the items identified above were manufactured in conformity to: Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit: ☒ approved design data and are in condition for safe operation genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind ☐ non-approved design data specified in block 13 in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen				19. ☒ Part-145A.50 Release to Service Freigabebescheinigung gem. Teil-145A.50 ☐ Other Regulation specified in block 13 Freigabebescheinigung gemäß anderer Feld 13 aufgeführter Vorschrift Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service. Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.			
15. Authorised Signature Unterschrift der berechtigten Person 		16. Approval/Authorisation Number Genehmigungs-/Zulassungsnummer DE.21G.0008		20. Authorised Signature Unterschrift der berechtigten Person 		21. Certificate/Approval Ref No Bescheinigungs-/Genehmigungsnummer 	
17. Name Name Andreas Schüppel / 6234		18. Date (d/m/y) Datum (T/M/J) 8. Mai. 06		22. Name Name 		23. Date (d/m/y) Datum (T/M/J) 	

Issuing Competent
Authority / Country
Emission Genehmigungsbehörde/Staat

FAHRT – BUNDESAMT
many

2.

AUTHORISED RELEASE CERTIFICATE

Autorisierte Freigabebescheinigung

EASA FORM 1

EASA Formblatt 1

3. Form Tracking Number
Lfd. Formulanummer

933/06

Issuing Organisation Name and Address:
Name und Anschrift des genehmigten Betriebes

Propeller Entwicklung GmbH
Ort Straubing – Wallmühle, D-94348 Atting, Germany

5. Work Order/Contract/Invoice
Arbeitsauftrag/Vertrag/Lieferschein

20501250

7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten
MTV-Propeller	MTV-6-A-C-F/CF187-129	TAE-125-01	1	06447	"MANUFACTURED"

Remarks
New Propeller
Blades: 1: XC-25383, 2: XC-25384, 3: XC-25385
Year of construction: 2006, TSN: 00:00 hrs
The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)

As stated that the items identified above were manufactured in conformity to:
Bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit:

☒ approved design data and are in condition for safe operation
genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind

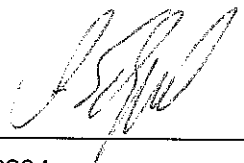
☐ non-approved design data specified in block 13
in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen

19. ☒ Part-145A.50 Release to Service
Freigabebescheinigung gem. Teil-145A.50

☐ Other Regulation specified in block 13
Freigabebescheinigung gemäß anderer Feld 13
aufgeführter Vorschrift

Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf diese Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.

Issued Signature Unterschrift der berechtigten Person	16. Approval/Authorisation Number Genehmigungs-/Zulassungsnummer	20. Authorised Signature Unterschrift der berechtigten Person	21. Certificate/Approval Ref No. Bescheinigungs-/Genehmigungsnr.
	DE.21G.0008		
Andreas Schüppel / 6234	18. Date (d/m/y) Datum (T/M/J)	22. Name Name	23. Date (d/m/y) Datum (T/M/J)
	8. Mai. 06		

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →			0	0	RH PROPELLER INSTALLED NEW ON DA 42 S/N 42.AC022
DEC 01 2006			5	1	HOURS BROUGHT FORWARD

Diamond DA-42

S/N: 42.AC022

R/H Prop M/N: MTV-6-A-C-F

N236TS

01-11-08

S/N: 06447

Tach : 118.8

Acft T.T.: 118.8

Prop T.T.: 118.8

Completed the following Maintenance:

1. Performed an Annual Inspection referencing the Diamond DA-42 Maintenance Manual.
2. Researched AD's through the bi-weekly issue #2007-26F. All AD's are in compliance at this time.
3. Painted the propeller blade faces with flat black paint.

Modern Aero, Inc.

14801 Pioneer Trail

Eden Prairie, MN 55347

WO# 35664 Date: 01-11-08 CRS MZER198L

End

I certify that this propeller has been inspected in accordance with an Annual/100 Hour inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Date: 1-11-08

Work Order # 35664

Tach or Hobbs Time: 118.8

Aircraft Total Time: 118.8

Signature [Signature] Propeller total time since new or overhaul: 118.8

Modern Aero, Inc.
FAA Certified Repair Station #MZER198L

Right

Diamond DA-42

S/N: 42.AC022

R/H Prop M/N: MTV-6-A-C-F

N236TS

06-19-09

S/N: 06447

Tach: 212.1

Acft T.T.: 212.1

Prop T.T.: 212.1

Completed the following Maintenance:

1. Performed an Annual Inspection referencing the Diamond DA-42 Maintenance Manual.
2. Researched AD's through the bi-weekly issue #2009-12F.
3. Sanded the Propeller as required. Painted the face with Max Flat Black Paint.

I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Modern Aero, Inc.

14801 Pioneer Trail

Eden Prairie, MN 55347

Authorized Signature: [Signature]

WO# 36597 & 36235 FAA CRS #MZER198L

End

Diamond DA-42

S/N: 42.AC022

R/H Prop M/N: MTV-6-A-C-F

N236TS

08-16-10

S/N: 06447

Tach: 257.8

Acft T.T.: 257.8

Prop T.T.: 257.8

Completed the following Maintenance:

1. Complied with an Annual Inspection referencing the Diamond DA-42 Maintenance Manual.
2. Researched AD's through the bi-weekly issue 2010-16F.
3. Dressed each Propeller Blade and painted the faces flat black.

I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Modern Aero, LLC

14801 Pioneer Trail

Eden Prairie, MN 55347

Authorized Signature: [Signature]

WO# 37504 FAA CRS #MZER198L

End

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

DA
Q 42

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	7/01/2011
SERIAL #	06447	3030 AIRPORT ROAD	A/C TT	300.0
REG #	N236TS	MANKATO, MN 56001	PROP TT	300.0
Tach.	300.0	FAA REPAIR STATION NUTR521L		
right prop		LOGBOOK INSERT	W/O	3966

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 07/01/2011

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

 **Diamond**

Date: July 25, 2012

WO#: RO-12-058 S/N: 42.AC022 Reg #: N236TS TACH: 411.6 Hrs.
RH Propeller MTV-6-A-C-F/CF187-129 S/N: 06447 TSN: 411.6 Hrs.

The Following work has been carried out.

Date of Manufacture May, 2006 TSN: 411.6 hrs. removed this date for Overhaul and conversion of flange from "A" to "R" version I.A.W MT-Propeller issued SI No. 48 latest revision to be eligible for reinstallation on DA 42NG Austro Engine equipped Aircraft.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature Jon Wieland Lic or Stamp

DA
R06

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT
FOR

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

August 2012 TSN: 411.6 hrs. TSO: 0.0 hrs.
MTV-6-R-C-F/CF187-129 S/N: 06447

Overhauled propeller in accordance with W/O: 12-270MT and overhaul manual E-220.
 Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C.
 Installed 3 new leading edges and 3 new liquid de-ice boots.

Blade S/N: 1) XC-25383 2) XC-25384 3) XC-25385

Year of manufacture: 2006

I certify this propeller has been overhauled and determined to be in airworthy condition at this time. Return to service this date, August 30, 2012

Juergen Zahner, Chief Inspector Q4MR908Y

[Signature]



Date: November 20, 2012

WO # RO-12-058 A/C DA 42NG S/N: 42.AC022 Reg: N236TS TACH: 411.6 Hrs.
RH Prop. Mt-propeller MTV-6-R-C-F/187-129 S/N: 06447 TSN: 411.6 Hrs. TSOH: 0.00 Hrs.

The Following work has been carried out:

Propeller MTV-6-R-C-F/CF187-129 Ser. No. 06447 TSOH: 0.00 Hrs. Installed on RH of 42.AC062 I.A.W. Chapter 61 of the current issue of DA 42NG AMM Rev.1 after Overhaul & embodiment of Mt-Propeller SI No. 48C carried out by Mt-Propeller USA per their W/O # 12-270MT dated August 30, 2012.

New Propeller un feathering Accumulator P/N P-893-1-C S/N: 11A142 installed.

1000 hr inspection carried out I.A.W. DA42NG AMM Doc. 7.02.15 Rev. 1 chapters 04-00-00 & 05-00-00.

Dynamic balance of the propeller carried out.

AWD checked through Bi-weekly Supplement 2012- 22

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: *[Signature]*

Lic. OR Stamp:



Date: November 24, 2012

WO#: RO-12-058 S/N: 40.AC022 Reg #: N236TS TTAF: 414.7 Hrs

The Following work has been carried out.

Slight cowling bump damage to trailing edge of blade # 2 R/H Propeller
 Minor repair carried out using 5 min epoxy. I.A.W. MT-Propeller Manual E-124 pg 25

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: *[Signature]*

Lic or Stamp



TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	11/29/13
SERIAL #	06447	3030 AIRPORT ROAD	A/C TT	565.1
REG #	N236TS	MANKATO, MN 56001	PROP TT	565.1
Tach.	565.1	FAA REPAIR STATION NUTR521L		
right prop		LOGBOOK INSERT	W/O	5204

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 11/29/13

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	11/29/13 1/23/15
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	758.4
REG #	N236TS	MANKATO, MN 56001	PROP TT	758.4
Tach.	758.4	FAA REPAIR STATION NUTR521L		
Left prop		LOGBOOK INSERT	W/O	422

1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 1/23/15

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	2/26/16
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	901.4
REG #	N236TS	MANKATO, MN 56001	PROP TT	901.4
Tach.	901.4	FAA REPAIR STATION NUTR521L		
Left prop		LOGBOOK INSERT	W/O	882

1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 2/26/16

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	3/16/17
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1030.6
REG #	N236TS	MANKATO, MN 56001	PROP TT	1030.6
Tach.	1030.6	FAA REPAIR STATION NUTR521L		
Left prop		LOGBOOK INSERT	W/O	1292

1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 3/16/17

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 125269	
4. Organization Name and Address: MAXWELL AIRCRAFT SERVICE, INC. 5800 CRYSTAL AIRPORT ROAD MINNEAPOLIS, MN 55429				5. Work Order/Contract/Invoice Number: 125269	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	M.T. PROPELLER	MTV-6-R-C-F/CF187-129	1	06447	OVERHAULED
12. Remarks: BLADE SERIAL NUMBERS: XL25383, XL25384, XL25385. OVERHAULED PROPELLER IN ACCORDANCE WITH M.T. PROPELLER MANUALS: E-220 REVISION 65, E-808 REVISION 12, E-1290 REVISION 44, E-9000. COMPLIED WITH M.T. SERVICE BULLETINS 14D & 21B. COMPLIED WITH M.T. SERVICE LETTER 68 REVISION 12.					
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 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: <i>Conrad E. Maxwell</i>		14c. Approval/Certificate No.: UF2R211L
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): CONRAD E. MAXWELL 2386511		14e. Date (dd/mm/yyyy): FEBRUARY 26, 2021
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 (02-14) NSN: 0052-00-012-9005					

1. Approving Civil Aviation Authority/Country: FAA/United States		2.		3. Form Tracking Number: 127702	
4. Organization Name and Address: MAXWELL AIRCRAFT SERVICE, INC. 5800 CRYSTAL AIRPORT ROAD MINNEAPOLIS, MN 55429				5. Work Order/Contract/Invoice Number: 127702	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MT PROPELLER	MTV-G-R-C-F/CF187-129	1	06447	OVERHAULED
12. Remarks: BLADE SERIAL NOS: XC25383, XC25384, SC25385 OVERHAULED PROPELLER WITH MT PROPELLER USA OVERHAULED BLADES IN ACCORDANCE WITH MT PROPELLER MANUALS E-220 REVISION 70, E-808 REVISION 14, E-1290 REVISION 47, AND E-9000 REVISION 4.					
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 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: <i>Conrad E. Maxwell</i>	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.: UF2R211L	
				14d. Name (Typed or Printed): CONRAD E. MAXWELL 2386511	
				14e. Date (dd/mm/yyyy): APRIL 5, 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 (02-14)				NSN: 0052-00-012-9005	

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	5/25/18
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1192.6
REG #	N236TS	MANKATO, MN 56001	PROP TT	1192.6
Tach.	1192.6	FAA REPAIR STATION NUTR521L		
Left prop <i>Right</i>		LOGBOOK INSERT	W/O	1853

1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 5/25/18 SIGNED *[Signature]*
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	7/5/19
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1337.9
REG #	N236TS	MANKATO, MN 56001	PROP TT	1337.9
Tach.	1337.9	FAA REPAIR STATION NUTR521L		
right prop		LOGBOOK INSERT	W/O	2320

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 7/5/19 SIGNED *[Signature]*
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	4/9/2021
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1504.6
REG #	N236TS	MANKATO, MN 56001	PROP TT	1504.6
Tach.	1504.6	FAA REPAIR STATION NUTR521L		
right prop		LOGBOOK INSERT	W/O	3181

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual.

2. Removed this propeller and reinstalled after propeller overhaul by Maxwell Aircraft Service under W/O # 125269 referencing maintenance manual chapter 61-10-00.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 4/9/2021 SIGNED *[Signature]*
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MKT1116-05-2022 (06-15-2022)

MAKE: Diamond Aircraft Ind
MODEL: Da 42
S/N: 42.AC022
REG. NO.: N236TS
W/O #: MKT1116-05-2022



North Star Aviation, Inc.
FAA Cert: NUTR521L
3030 N Airport Road
Mankato, MN 56001

Page 1 / 1
DATE: 06-15-2022
Prop TSN - R: 1602.70
Prop TSPOH - R: 98.10
Prop Model - R: MTV-6-A-C-F
Prop 2 SN: 06447
A/C TT: 1602.70
A/C Tach: 1602.70
Prop TT - R: 1602.70
Engine O/H Date - L: 12-17-2014

Propeller - R Entries

- 5 Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station#NUTR521L

DATE: 06-15-2022

SIGNED: *[Signature]*
Jon Wieland
FAA Cert: NUTR521L

WORK ORDER: MKT1116-05-2022
Printed by EBIS (EBISCloud.com)

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAKE: Diamond Aircraft Ind
MODEL: Da 42
S/N: 42.AC022
REG. NO: N236TS
PROP MODEL - R: MTV-6-A-C-
F
PROP O/H DATE - R: 02-25-
2021



North Star Aviation, Inc.

FAA Cert: NUTR521L
3030 N Airport Road
Mankato, MN 56001

W/O #: MKT2647-11-2023

DATE: 05-02-2024

A/C TT: 1718.2

A/C Tach: 1718.2

Prop TT - R: 1718.2

Hobbs:

3

LICENCE
NUMBER

Propeller - R Entries

- 1 Removed Propeller and sent to Maxwell Aircraft Service, INC where they performed an overhaul and replaced all 3 propeller blades with overhauled blades M/N P19NE S/N XC25383 S/N XC25384 S/N SC25385 WO# 127702. Reinstalled Propeller in accordance with DA42 maintenance manual chapter 61-10-00. Operational check good.
- 7 Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual. I certify that this prop has been inspected in accordance with an annual inspection and was determined to be in airworthy condition
- 8 All applicable Federal Aviation Administration Airworthiness Directives have been researched and complied with up to the date listed on this logbook label.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station#NUTR521L

DATE: 05-02-2024

SIGNED

Carter Downs

FAA Cert: NUTR521L

WORK ORDER: MKT2647-11-2023

Printed by EBIS (EBISCloud.com)

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

1. Approving Competent Authority / Country Zuständige Genehmigungsbehörde/Staat LUFTFAHRT – BUNDESAMT / Germany		2. AUTHORISED RELEASE CERTIFICATE Autorisierte Freigabebescheinigung EASA FORM 1 EASA Formblatt 1				3. Form Tracking Number Lfd. Formularnummer 966/06	
4. Approved Organisation Name and Address: Name und Anschrift des genehmigten Betriebes MT-Propeller Entwicklung GmbH Airport Straubing – Wallmühle, D-94348 Atting, Germany						5. Work Order/Contract/Invoice Arbeitsauftrag/Vertrag/Lieferschein 20501250	
6. Item Lfd. Nr.	7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten	
1	MTV-Propeller	MTV-6-A-C-F/CF187-129	TAE-125-01	1	06446	"MANUFACTU	
13. Remarks Bemerkungen New Propeller Blades: 1: XC-25407, 2: XC-25408, 3: XC-25409 Year of construction: 2006, TSN: 00:00 hrs The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)							
14. Certifies that the items identified above were manufactured in conformity to: Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit: ☒ approved design data and are in condition for safe operation genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind ☐ non-approved design data specified in block 13 in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen				19. ☐ Part-145A.50 Release to Service Freigabebescheinigung gem. Teil-145A.50 ☐ Other Regulation specified in block 13 Freigabebescheinigung gemäß anderer Feld 13 aufgeführter Vorschrift Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service. Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf die Freigabe zum Betrieb betrachtet werden.			
15. Authorised Signature Unterschrift der berechtigten Person 		16. Approval/Authorisation Number Genehmigungs-/Zulassungsnummer DE.21G.0008		20. Authorised Signature Unterschrift der berechtigten Person 		21. Certificate/Approval Reference Bescheinigungs-/Genehmigungsnummer 	
17. Name Name Gregor Paisdzior / 6235		18. Date (d/m/y) Datum (T/M/J) 9. Mai 06		22. Name Name 		23. Date (d/m/y) Datum (T/M/J) 	

proving Competent
hority / Country
ändige Genehmigungsbehörde/Staat
TFAHRT – BUNDESAMT
ermany

2.

AUTHORISED RELEASE CERTIFICATE

Autorisierte Freigabebescheinigung

EASA FORM 1

EASA Formblatt 1

3. Form Tracking Number
Lfd. Formelnummer

966/06

proved Organisation Name and Address:
e und Anschrift des genehmigten Betriebes

Propeller Entwicklung GmbH

port Straubing – Wallmühle, D-94348 Atting, Germany

5. Work Order/Contract/Invoice
Arbeitsauftrag/Vertrag/Lieferschein

20501250

7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten
MTV-Propeller	MTV-6-A-C-F/CF187-129	TAE-125-01	1	06446	"MANUFACTURED"

marks

erkungen

New Propeller

Blades: 1: XC-25407, 2: XC-25408, 3: XC-25409

Year of construction: 2006, TSN: 00:00 hrs

The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)

ifies that the items identified above were manufactured in conformity to:
rd bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit:

- ☒ approved design data and are in condition for safe operation
genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind
- ☐ non-approved design data specified in block 13
in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen

19. ☐ Part-145A.50 Release to Service
Freigabebescheinigung gem. Teil-145A.50

☐ Other Regulation specified in block 13
Freigabebescheinigung gemäß anderer Feld 13
aufgeführter Vorschrift

Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

Es wird bescheinigt, dass, sofern in Feld 13 nichts anderes bestimmt ist, die in Feld 12 aufgeführten und in Feld 13 beschriebenen Arbeiten in Übereinstimmung mit Teil-145 durchgeführt wurden, und dass die Artikel im Hinblick auf diese Arbeiten als geeignet für die Freigabe zum Betrieb betrachtet werden.

orised Signature
chrift der berechtigten Person

16. Approval/Authorisation Number
Genehmigungs-/Zulassungsnummer

DE.21G.0008

20. Authorised Signature
Unterschrift der berechtigten Person

21. Certificate/Approval Ref No.
Bescheinigungs-/Genehmigungsnr.

ne Gregor Paisdzior / 6235

18. Date (d/m/y) 9. Mai 06
Datum (T/M/J)

22. Name
Name

23. Date (d/m/y)
Datum (T/M/J)

m 1 - Issue 1
att 1 - Ausgabe 1

(*) Installer must cross-check eligibility with applicable technical data
(*) Der Verwender/einbauende Betrieb ist verpflichtet, die Verwendbarkeit anhand der geltenden technischen Unterlagen zu überprüfen.

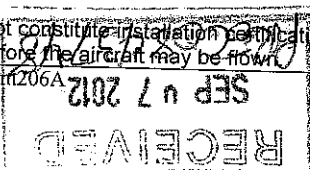
1. Approving National Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number 12-269MT	
4. Organization Name and Address MT-Propeller USA, Inc. FAA Approved Repair Station Q4MR908Y 1180 Airport Terminal Dr. DeLand, FL 32724						5. Work Order/ Contract/Invoice Number: 12-269MT	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	Aircraft Propeller	MTV-6-R-C-F/CF187-129	N / A	1	06446	Overhaul	
13. Remarks Overhauled propeller in accordance with W/O# 12-269MT and Overhaul Manual E-220. Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C. Installed 3 new leading edges and 3 new liquid de-ice boots. Blade S/N: 1) XC-25407 2) XC-25408 3) XC-25409 Year of Manufacture: 2006 TSN: 384.8 hrs. TSO: 0.0 hrs. TCDS: P19NE							
14. 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 13.				19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulations specified in Block 13 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:		21. Approval/Certificate No.:	
				<i>J. Zahner</i> Juergen Zahner, Chief Inspector		Q4MR908Y 23. Date (m/d/y): August 30, 2012	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):			

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 an 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.



PROPELLER LOG

1. Make MT-PROPELLER ENTWICKLUNG GmbH
2. Model MTV-6-A-C-F/CF187-129
3. Specification No. PI9NE
4. Date of Manufacture _____
5. Hub Serial No. 06446
6. Blades
 - (a) Design No. _____
 - (b) Blade Serial Nos.
 - (i) XC-25407
 - (ii) XC-25408
 - (iii) XC-25409
 - (iv) _____
 - (v) _____
 - (c) Pitch Setting
 - (i) Basic _____
 - (ii) High _____
 - (iii) Low _____
 - (iv) Reverse _____

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →			0	0	
DEC 01 2006			5	1	LH PROPELLER INSTALLED NEW ON DA 42 S/N 42.AC022 HOURS BROUGHT FORWARD

N236TS DATE: 03/27/2007 TACH: 74.2
 REMOVED PROPELLER FROM LEFT ENGINE TOTAL TIME 74.2 DA42 S/N 42.AC022 FOR BLADE DAMAGE.
 KMARTINSON *K. Martinson*

3/27/2007

Modern Aero, Inc. FAA CRS MZER198L

Work Order #: 34994

A/F TT: 74.2

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

June 2007 TSN: 74.2 hours
 MTV-6-A-C-F/CF187-129 S/N: 06446
 Repaired propeller in accordance with W/O 3562MT and overhaul manual E-220.
 Blade S/N: 1) XC-25407 2) XC-25408 3) XC-25409.
 Blades correspond to S.B. 5 and 8B.
 Year of manufacture: 2006
 I certify this propeller has been repaired and determined to be in airworthy condition at this time. Return to service this date, June 20, 2007.
 Juergen Zahner, Chief Inspector Q4MR908Y *J. Zahner*

The Aircraft, Airframe, Engine Propeller, Appliance, Radio or Instrument was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work performed is approved for return to service by Modern Aero, Inc. FAA CRS #MZER198L

Authorized By *AWB*

35338
Work Order

Date: 8/15/07 N# 236TS Acft Hrs: 101.0

Diamond DA-42
 S/N: 42.AC022

N236TS
 08-15-07
 S/N: 06446

Tach: 101.0
 Prop T.T.: 074.2

L/H Prop M/N: MTV-6-A-C-F

Completed the following Maintenance:

1. Installed the repaired Propeller on Diamond DA-42, N236TS, S/N: 42.AC022 with 74.2 time since new, per the Diamond DA42 Maintenance Manual, Section 61-10-00.

Modern Aero, Inc.
 14801 Pioneer Trail
 Eden Prairie, MN 55347

WO# 35338 Date: 08-15-07 CRS MZER198L

End

TOTAL THIS P.		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

1

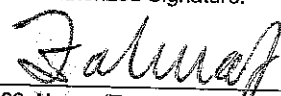
REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

DA
Q 42
DA
Q 42

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

1. Approving National Aviation Authority/Country: FAA/United States.		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number 3562MT	
4. Organization Name and Address MT-Propeller USA, Inc. FAA Approved Repair Station Q4MR908Y 1180 Airport Terminal Dr. DeLand, FL 32724						5. Work Order/ Contract/Invoice Number: 3562MT	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	Aircraft Propeller	MTV-6-A-C-F/CF187-129	DA 42	1	06446	Repair	
13. Remarks Repaired propeller in accordance with W/O# 3562MT and Overhaul Manual E-220. Blade S/N: 1) XC-25407 2) XC-25408 3) XC-25409 This propeller conforms to Service Bulletins no. 5 and 8B Year of Manufacture: 2006 TSN: 74.2 hours TCDS: P19NE							
14. 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 13				19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulations specified in Block 13 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:		21. Approval /Certificate No.:	
17. Name (Typed or Printed):		18. Date (m/d/y):		 22. Name (Typed or Printed): Juergen Zahner, Chief Inspector		23. Date (m/d/y): June 20, 2007	

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.

MT-Propeller USA, Inc.

1180 Airport Terminal Drive

DeLand, FL 32724

Phone: (386) 736-7762 Fax: 736-7696

FAA Certified Repair Station Q4MR908Y

CUSTOMER QUOTE

QUOTE NUMBER

07-186

NAME / ADDRESS
Modern Aero Inc. 14801 Pioneer Trail Eden Prairie, MN 55347 (952) 941-2595 (952) 941-0791 fax

DATE 5/1/2007
Handled by : Turne
Application : DA-42
Engine : TAE 125-01
P.O. No.: M11264
Terms of Payment 30 days net
Ship Date : 5/31/2007

ITEM	DESCRIPTION	RATE	QTY	AMOUNT
DIS/ASSY	Disassembly & Assembly or 3 blade propeller Model: MTV-6-A-C-F/CF187-129	60.00	8	480.00T
BLADE OH w/ES	Blade overhaul with replacement of metal erosion shield Model: CF187-129 Serial No.: XC-25407, XC-25409	350.00	2	700.00T
				1,180.00
De-Ice	Liquid De-Ice	250.00	2	500.00T
C-047-85	Piston O-Ring	2.94	1	2.94T
C-357-337	PTFE Spacer Ring	4.47	1	4.47T
C-048-A	Flange O-Ring	2.06	1	2.06T
C-057-64	O-Ring (DF-treated)	10.53	3	31.59T
C-202-65	Counterweight Bolt	5.16	3	15.48T
C-202-75	Screw	5.73	3	17.19T
C-206	Stop Nut	2.07	6	12.42T
C-204-0.8	Washer	2.16	15	32.40T
C-245-10	Pin 5x10-A	0.33	6	1.98T
	Parts Subtotal			620.53
	PROPELLER REPAIR - Subtotal			1,800.53
Discount	Distributor Discount	-10.00%		-180.05T
Shipping & Handling	Shipping Charges - Shipment of Loaner Propeller	240.00	1	240.00
Shipping & Handling	Shipping Charges - To be determined	240.00	1	240.00
	Out-of-state sale, exempt from sales tax	0.00%		0.00
Thank you for your business.		TOTAL		\$2,100.48

Attention !! All goods sold according to MT Propeller USA, Inc. standard terms of sale !

MT-Propeller USA, Inc.

1180 Airport Terminal Drive

DeLand, FL 32724

Phone: (386) 736-7762 Fax: 736-7696

FAA Certified Repair Station Q4MR908Y

Inv

Date	Invoice
6/25/2007	07-25368

Bill To

Modern Aero Inc.
14801 Pioneer Trail
Eden Prairie, MN 55347
(952) 941-2595
(952) 941-0307 fax

Ship To

Modern Aero Inc.
14801 Pioneer Trail
Eden Prairie, MN 55347
(952) 941-2595
(952) 941-0791 fax

Your P.O. No.	Work Order No.	Terms	Ship Via
M11264	3562MT	30 days net	YELLOW

Item	Description	Rate	Qty	Amount
DIS/ASSY	Disassembly & Assembly or 3 blade propeller Model: MTV-6-A-C-F/CF187-129	60.00	8	480.00T
BLADE OH w/ES	Blade overhaul with replacement of metal erosion shield Model: CF187-129 Serial No.: XC-25407, XC-25409	350.00	2	700.00T
De-Ice	De-Ice Prop Side MHG liquid De-ice boots Model: MHG-909-6	180.00	2	360.00T
				1,540.00
C-047-85	Piston O-Ring	2.94	1	2.94T
C-357-337	PTFE Spacer Ring	4.47	1	4.47T
C-048-A	Flange O-Ring	2.06	1	2.06T
C-057-64	O-Ring (DF-treated)	10.53	3	31.59T
C-202-65	Counterweight Bolt	5.16	3	15.48T
C-202-75	Screw	5.73	3	17.19T
C-206	Stop Nut	2.07	6	12.42T
C-204-0.8	Washer	2.16	15	32.40T
C-245-10	Pin 5x10-A	0.33	6	1.98T
	Parts Subtotal			120.53
	PROPELLER REPAIR - Subtotal			1,660.53
Discount	Distributor Discount.	-10.00%		-166.05T
Shipping & Han...	Shipping Charges - Shipment of Loaner Propeller	240.00	1	240.00
Shipping & Han...	Shipping Charges - YELLOW Exact Express BOL No.: 384-9015124 Quote No.: 32589607	225.67	1	225.67
	Out-of-state sale, exempt from sales tax	0.00%		0.00
Thank you for your business.		Total		\$1,960.15

Attention !! All goods sold according to MT Propeller USA, Inc. standard terms of sale !

APPROVED BY:
JUERGEN ZAHNER

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Diamond DA-42
 S/N: 42.AC022
 L/H Prop M/N: MTV-6-A-C-F
 Completed the following Maintenance:

N236TS
 01-11-08
 S/N: 06446
 Tach : 118.8
 Acft T.T.: 118.8
 Prop T.T.: 092.0

1. Performed an Annual Inspection referencing the Diamond DA-42 Maintenance Manual.
2. Researched AD's through the bi-weekly issue #2007-26F. All AD's are in compliance at this time.
3. Painted the propeller blade faces with flat black paint.

Modern Aero, Inc.
 14801 Pioneer Trail
 Eden Prairie, MN 55347
 WO# 35664 Date: 01-11-08 CRS MZER198L

End

I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Date: 1-11-08 Work Order # 35664
 Tach or Hobbs Time: 118.8 Aircraft Total Time: 118.8
 Propeller total time since new or overhaul: 92.0
 Signature:

Modern Aero, Inc.
 FAA Certified Repair Station #MZER198L

Left

Diamond DA-42
 S/N: 42.AC022
 L/H Prop M/N: MTV-6-A-C-F
 Completed the following Maintenance:

N236TS
 06-19-09
 S/N: 06446
 Tach: 212.1
 Acft T.T.: 212.1
 Prop T.T.: 212.1

1. Performed an Annual Inspection referencing the Diamond DA-42 Maintenance Manual.
2. Researched AD's through the bi-weekly issue #2009-12F.
3. Sanded the Propeller as required. Painted the face with Max Flat Black Paint.

I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Modern Aero, Inc.
 14801 Pioneer Trail
 Eden Prairie, MN 55347

Authorized Signature:
 WO# 36597 & 36235 FAA CRS #MZER198L

End

Diamond DA-42
 S/N: 42.AC022
 L/H Prop M/N: MTV-6-A-C-F
 Completed the following Maintenance:

N236TS
 08-16-10
 S/N: 06446
 Tach: 257.8
 Acft T.T.: 257.8
 Prop T.T.: 257.8

1. Complied with an Annual Inspection referencing the Diamond DA-42 Maintenance Manual.
2. Researched AD's through the bi-weekly issue 2010-16F.
3. Dressed each Propeller Blade and painted the faces flat black.

I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Modern Aero, LLC
 14801 Pioneer Trail
 Eden Prairie, MN 55347

Authorized Signature:
 WO# 37504 FAA CRS #MZER198L

End

SINCE MFG.

MAINTENANCE RECORD

2

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	7/01/2011
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	300.0
REG #	N236TS	MANKATO, MN 56001	PROP TT	300.0
Tach.	300.0	FAA REPAIR STATION NUTR521L		
Left prop		LOGBOOK INSERT	W/O	3966

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 07/01/2011

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L



Date: July 25, 2012
 WO#: RO-12-058 S/N: 42.AC022 Reg #: N236TS TACH: 411.6 Hrs.
 LH Propeller MTV-6-A-C-F/CF187-129 S/N: 06446 TSN: 384.8 Hrs.

The Following work has been carried out.
 Date of Manufacture May, 2006 TSN: 384.8 hrs. removed this date for Overhaul and conversion of flange from "A" to "R" version I.A.W MT-Propeller issued SI No. 48 latest revision to be eligible for reinstallation on DA 42NG Austro Engine equipped Aircraft.

Note: The prop TT recorded in the Prop log as 212.1 is in error
 Previous log entry showed a difference of 26.8 between Tach and Propeller time. Prop TT corrected on this entry to 384.8 hours.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature Jon Wieland Lic or Stamp _____

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
 OR LIFE

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→				

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

August 2012 **TSN: 384.8 hrs. TSO: 0.0 hrs.**
MTV-6-R-C-F/CF187-129 **S/N: 06446**
 Overhauled propeller in accordance with W/O: 12-269MT and overhaul manual E-220.
 Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C.
 Installed 3 new leading edges and 3 new liquid de-ice boots.
 Blade S/N: 1) XC-25407 2) XC-25408 3) XC-25409
 Year of manufacture: 2006
 I certify this propeller has been overhauled and determined to be in airworthy condition at this time. Return to service this date, August 30, 2012
 Juergen Zahner, Chief Inspector Q4MR908Y *Zahner*



Date: November 20, 2012

WO # RO-12-058 A/C DA 42NG S/N: 42.AC022 Reg: N236TS TACH: 411.6.6 Hrs.
LH Prop. Mt-Propeller MTV-6-R-C-F/187-129 S/N: 06446 TSN: 384.8Hrs. TSOH: 0.00 Hrs.

The Following work has been carried out:

Propeller MTV-6-R-C-F/CF187-129 Ser. No. 06446 TSOH: 0.00 Hrs. Installed on LH of 42.AC022 I.A.W. Chapter 81 of the current issue of DA 42NG AMM Rev.1 after Overhaul & embodiment of Mt-Propeller SI No. 48C carried out by Mt-Propeller USA Per their W/O # 12-269MT dated August 30, 2012.
 New Propeller un feathering Accumulator P/N P-893-1-C S/N: 11A139 installed
 100 hr inspection carried out I.A.W. DA42NG AMM Doc. 7.02.15 Rev. 1 chapters 04-00-00 & 05-00-00.
 Dynamic balance of the propeller carried out.
 AWD checked through Bi-weekly Supplement 2012- 22

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: *[Signature]*

Lic or Stamp:



MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	11/29/13
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	565.1
REG #	N236TS	MANKATO, MN 56001	PROP TT	536.3
Tach.	565.1	FAA REPAIR STATION NUTR521L		
Left prop		LOGBOOK INSERT	W/O	5204
1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.				
The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station. DATE <u>11/29/13</u> SIGNED <i>[Signature]</i> Jon Wieland for North Star Aviation FAA CRS NUTR521L				

TOT

TO

PREV

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LICENCE
NUMBER

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	1/23/15
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	758.4
REG #	N236TS	MANKATO, MN 56001	PROP TT	758.4
Tach.	758.4	FAA REPAIR STATION NUTR521L		
right prop Left		LOGBOOK INSERT	W/O	422

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 1/23/15

SIGNED *Jon Wieland*

Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	2/26/16
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	901.4
REG #	N236TS	MANKATO, MN 56001	PROP TT	901.4
Tach.	901.4	FAA REPAIR STATION NUTR521L		
right prop Left		LOGBOOK INSERT	W/O	882

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 2/26/16

SIGNED *Jon Wieland*

Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	3/16/17
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1030.6
REG #	N236TS	MANKATO, MN 56001	PROP TT	1030.6
Tach.	1030.6	FAA REPAIR STATION NUTR521L		
right prop Left		LOGBOOK INSERT	W/O	1292

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 3/16/17

SIGNED *Jon Wieland*

Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	5/25/18
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1192.6
REG #	N236TS	MANKATO, MN 56001	PROP TT	1192.6
Tach.	1192.6	FAA REPAIR STATION NUTR521L		
right prop Left		LOGBOOK INSERT	W/O	1853

1. Completed an annual inspection referencing the checklist contained in the DA42 maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 5/25/18

SIGNED *Jon Wieland*

Jon Wieland for North Star Aviation FAA CRS NUTR521L

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 125269	
4. Organization Name and Address: MAXWELL AIRCRAFT SERVICE, INC. 5800 CRYSTAL AIRPORT ROAD MINNEAPOLIS, MN 55429				5. Work Order/Contract/Invoice Number: 125269	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	M.T. PROPELLER	MTV-6-R-C-F/CF187-129	1	06446	OVERHAULED
12. Remarks: BLADE SERIAL NUMBERS: XC25407, XC25408, XC25409. OVERHAULED PROPELLER IN ACCORDANCE WITH M.T. PROPELLER MANUALS: E-220 REVISION 65, E-808 REVISION 12, E-1290 REVISION 44, E-9000. COMPLIED WITH M.T. SERVICE BULLETINS 14D & 21B. COMPLIED WITH M.T. SERVICE LETTER 68 REVISION 12.					
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 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: <i>Conrad E. Maxwell</i>	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.: UF2R211L	
		14d. Name (Typed or Printed): CONRAD E. MAXWELL 2386511		14e. Date (dd/mm/yyyy): FEBRUARY 26, 2021	
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.					

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	7/5/19
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1337.9
REG #	N236TS	MANKATO, MN.56001	PROP TT	1337.9
Tach.	1337.9	FAA REPAIR STATION NUTR521L		
Left prop		LOGBOOK INSERT	W/O	2320

1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 7/5/19

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MODEL	MTV-6-A-C-F	NORTH STAR AVIATION	DATE	4/9/2021
SERIAL #	06446	3030 AIRPORT ROAD	A/C TT	1504.6
REG #	N236TS	MANKATO, MN 56001	PROP TT	1504.6
Tach.	1504.6	FAA REPAIR STATION NUTR521L	S.P.O.H.	000.0
Left prop		LOGBOOK INSERT	W/O	3181

1. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual.

2. Removed this propeller and reinstalled after propeller overhaul by Maxwell Aircraft Service under W/O # 125269 referencing maintenance manual chapter 61-10-00.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station.

DATE 4/9/2021

SIGNED Jon Wieland
Jon Wieland for North Star Aviation FAA CRS NUTR521L

MKT1116-05-2022 (06-15-2022)

MAKE: Diamond Aircraft Ind
MODEL: Da 42
S/N: 42.AC022
REG. NO: N236TS
W/O #: MKT1116-05-2022



North Star Aviation, Inc.
FAA Cert: NUTR521L
3030 N Airport Road
Mankato, MN 56001

Page 1 / 1

DATE: 06-15-2022
Prop TSN - L: 1602.70
Prop TSPOH - L: 98.10
Prop Model - L: MTV-6-A-C-F
Prop 1 SN: 06446
A/C TT: 1602.70
A/C Tach: 1602.70
Prop TT - L: 1602.70
Engine O/H Date - L: 12-17-2014

Propeller - L Entries

4. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual. I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station#NUTR521L

DATE: 06-15-2022

SIGNED: Jon Wieland
Jon Wieland
FAA Cert: NUTR521L

WORK ORDER: MKT1116-05-2022
Printed by EBIS (EBISCloud.com)

MAKE: Diamond Aircraft Ind
MODEL: Da 42
S/N: 42.AC022
REG. NO: N236TS
PROP MODEL - L: MTV-6-A-C-F
PROP O/H DATE - L: 02-25-2021



North Star Aviation, Inc.
FAA Cert: NUTR521L
3030 N Airport Road
Mankato, MN 56001

W/O #: MKT2647-11-2023
DATE: 05-02-2024
A/C TT: 1718.2
A/C Tach: 1718.2
Prop TT - L: 1718.2
Hobbs:

Propeller - L Entries

6. Completed an annual inspection referencing the checklist contained in the DA42NG maintenance manual. I certify that this prop has been inspected in accordance with an annual inspection and was determined to be in airworthy condition
8. All applicable Federal Aviation Administration Airworthiness Directives have been researched and complied with up to the date listed on this logbook label.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station#NUTR521L

DATE: 05-02-2024

SIGNED: Carter Downs
Carter Downs
FAA Cert: NUTR521L

WORK ORDER: MKT2647-11-2023
Printed by EBIS (EBISCloud.com)

TOTAL T

TOTAL
PREVIOUS SUMMARY

TOTAL
SINCE MFG.