

RH S/N 080179

AIRCRAFT TECHNICAL RECORD

Section 4. PROPELLER LOG

1. Approving Civil Aviation Authority/Country
TRANSPORT CANADA

2. **AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

3. Form Tracking Number:
P4268 - 1
5. Work Order/contract/invoice
PO1055931

4. Organization's Name and Address
HOPE AERO PROPELLER & COMPONENTS, INC.
7605 BATH ROAD, MISSISSAUGA, ON, CANADA goodtogo@hopeaero.com

6. Item: 7. Description 8. Part Number 9. Quantity 10. Serial/Batch Number: 11. Status/Work:
1 3 BLD- HYDRAULIC PROPELLER MTUV-6-R-C-F/CF187-129 1 080179 OVERHAULED

12. Remarks:
Work performed IAW:
MT PROPELLER OVERHAUL MANUAL E-220/61-12-20 Revision 65
See other side of this form for Hope Aero's Airworthiness Directives and Service Bulletins compliance form.
Propeller Time Since Overhaul: 0.00 Hours

13a. Certifies that the items identified above were manufactured in conformity to:
☐ Approved Design Data and are in condition for safe operation.
☐ Non approved design data specified in Block 12

14b. ☒ CAR 571.10 Maintenance Release.
☐ Other regulations specified in Block 12.

14c. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.

13b. Signature

N/A

13c. Approval Organization Number

N/A

13d. Name

N/A

13e. Date (dd/mm/yyyy)

N/A

30 Dec 2008 (Previously form 24-0078)

14b. Signature


HOPE AERO
60-91 #4

14d. Name

Jasper Megelink

14c. Approval Organization Number

AMO 53-91

14e. Date (dd/mm/yyyy)

19/Nov/2020

Installer Responsibilities

This certificate does not constitute authority to install
installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified.
Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

Work Order Task

Page: 1 of 1

HOPE AERO PROPELLER & COMPONENTS, INC.

Report Date: 19/11/2020

Work Order #: P4268

Model: MTV-6-R-C-F/CF187-129

Serial Numbers: 080179

THE FOLLOWING WERE COMPLIED WITH ON WORK ORDER P4268

MT S/B 32

PITCH CHANGE PINS TO BE REPLACED EVERY 12 YEARS. DATE STAMPED BOTTOM OF FERRULE.

MT S/I 23A

INSTALLATION OF NEW BLADE SEALS IN CONSTANT SPEED MT-PROPELLERS.

MT S/I 50

PRELOAD RINGS REMOVED AND INSTALLED AS PER SERVICE INSTRUCTION.

MT S/I 68 Rev.12

BLADES PAINTED AS PER SERVICE INSTRUCTION. (applies to stanless steel and nickel leading edges)

MT S/I 71

SHAPE & THICKNESS OF MT PROP BLADE TRAILING EDGE. - effects all blades.

MT S/L 5

HIGHER STRENGTH CORROSION RESISTANT HARDWARE INSTALLED. effects all hydraulic constant speed propellers.

MT S/L 9A

LESS ABRASION AND LESS FRICTION BEARINGS INSTALLED.

MT S/L 21B

BEARINGS GREASED WITH HIGHER VISCOSITY MT 2 PROPELLER GREASE.

MT S/L 30D

FLUID ANTI ICE BOOTS INSTALLED IN ACCORDANCE WITH COMPOSITE BLADE MANUAL E-1290/61-12-90.

MT S/L 32 Rev.5

BLADES INSPECTED AND REPAIRED AS REQUIRED IAW SL 32. effects ALL NATURAL COMPOSITE BLADES.

MT S/L 35A

SEALING SURFACES CHECKED FOR A SMOOTH CONTACT AREA. effects all MT Constant Speed Props.

MT S/L 47

BLADE SEALS INSTALLED.

MT S/L 59

MANUFACTURING CHARACTERISTICS DO NOT AFFECT STRENGTH OF THE COUNTERWEIGHT. NO ACTION REQUIRED, COUNTERWEIGHTS CAN RETURN TO SERVICE.

MT S/L 65

INNER BEARING HALVES INSPECTED AND DEBURRED AS NECESSARY, I.A.W. S/L 65.

PER

HOPE AERO PROPELLER & COMPONENTS, INC. AMO 53-91

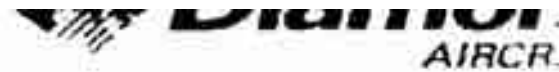
MAINTENANCE RECORD

7

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

SIGNATURE

LICENCE
NUMBER



AIRCRAFT

Registration: N593
Airframe Total Time: 4387

- RH Prop removed for overhaul
PN: MTV-6-R-C-F/CF187-129

The Maintenance Described

ACA



RECORD OF PROPELLER AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

DATE	A/D,	S/B,	S/I,	MODS	DETAILS OF
Diamond					DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVED MANUFACTURER #161-93
	Registration:	N593ER	A/C Serial Number:	42.NC001	TTSN Airframe: 5.4 hrs
	L/H Engine Serial Number:	E4-B-00159			TTSN L/H Engine: 5.4 hrs
	R/H Engine Serial Number:	E4-B-00160			TTSN R/H Engine: 5.4 hrs
	L/H Prop Serial Number:	080092			TTSN L/H Prop: 5.4 hrs
	R/H Prop Serial Number:	080179			TTSN R/H Prop: 5.4 hrs
▪ The following STC's are incorporated: ○ NONE ▪ BI-weekly AWD check carried out to current revision 2011-18, all applicable AD's complied with. ○ See attached ▪ The work described above was carried out IAW the applicable Standard of Airworthiness.					
DA G-20 Inspector					AUG 24 2011 date
Page 10 of 14					

Work Order Task

Page: 1 of 1

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MT S/L 65
 INNER BEARING HALVES INSPECTED AND DEBURRED IF NECESSARY, I.A.W. S/L 65.

PER

HOPE AERO
5891

HOPE AERO PROPELLER & COMPONENTS, INC. AMO-63-91

PROPELLER LOG

1. Make:	MT-Propeller
2. Model:	MTV-6-R-C-F/CF190-69
3. Specification Number:	P19NE
4. Date of Manufacture: August, 2011	Date Installed: January, 2021
5. Hub Serial Number:	080179
6. Blades:	
a. Design Number:	CF 187-129
b. Blade Serial Numbers:	
i. :	ACL-44774
ii. :	ACL-44775
iii. :	ACL-44776
iv. :	
c. Pitch Setting	
i. Basic:	
ii. High:	
iii. Low:	12.0 ° +/- 0.2 °
iv. Reverse:	
v. Feather:	81° +/- 1 °



Section 4A: Propeller Service and Maintenance Record

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	MIN	HOURS	MIN	
BROUGHT FORWARD					



AMO 161-93

Aircraft Reg: N590ER
Work Order: SO072539

Date: March 15, 2021

	Manufacturer	Model	SN	
Airframe	Diamond	DA 42 NG	42.AC069	
LH Engine	Austro	E4-B	E4-B-00142	TSN: 5693.0 Hrs
RH Engine	Austro	E4-B	E4-B-00291	TSN: 359.9 Hrs
LH Prop	Mt-Propeller	MTV-6-R-C-F/CF187-129	110860	TSN: 359.9 Hrs
RH Prop	Mt-Propeller	MTV-6-R-C-F/CF187-129	080179	TSOH: 0.00 Hrs.
				TSOH: 0.00 Hrs.

The following maintenance was carried out on the RH prop:

- #57 Overhauled propeller installed IAW DA42NG AMM Doc. 7.02.15 Rev 4 PN: MTV-6-R-C-F/CF187-129, SN off: 080092, SN on: 080179.
Next O/H due Feb 2027
- #204 100 hr. inspection carried out IAW DA42NG AMM Doc. 7.02.15 Rev 4.
Dynamic balance of the propeller carried out with a recorded reading of 0.142 IPS No weight added

Following Propeller FAA AWDs' checked & C/W as applicable:

AWD 2007-26-13- Propeller blades- O/H Propeller Installed
Biweekly FAA AD Checked through 2021-06

Following Propeller EASA (CASA) AWDs' checked & C/W as applicable:

2006-0345R1- Propeller blade leading edge protection inspection/replacement- O/H Propeller Installed
Biweekly EASA AD Checked through 05-2021

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

Signature:

ACA:



PROP MODEL (R):
PROP S/N (R):
REG. NO: N590ER
WORK ORDER: 0342



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 6/11/2021
A/C TSN: 5789.9
PROP TT (R): 76.3
HOBBS: 108.4

Right Prop Entries

- Performed 100 Hour Inspection using DA42NG AMM as a guide

I certify this propeller has been inspected IAW a 100 Hour Inspection and was determined to be in airworthy condition.

DATE: 6/11/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0342

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PROP MODEL (R):
MTV-6-R-C-F/CF187-129
PROP S/N (R): 080179
REG. NO: N687ML
WORK ORDER: 0388



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 8/13/2021
A/C TSN: 5884.6
PROP TT (R): 191.6
HOBBS: 239.8

Right Prop Entries

- Performed 100 Hour Inspection using DA42NG AMM as a guide

I certify this propeller has been inspected IAW a 100 Hour Inspection and was determined to be in airworthy condition.

DATE: 8/13/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0388

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Make: Diamond
Model: DA42NG
S/N: 42.AC069
REG NO: N687ML



Diamond Fleet & Aviation services LLC
5070 S. Collins suite 205,
Arlington, TX 76018
Phone: 817-575-7828

Date: 11/16/2021
Hobbs: 0367.7
A/C TSN: 5974.6
Prop TSOH(R): 281.6

Right prop

- performed 100 hour inspection using DA42NG AMM as a guide
- All AD's complied with current BI-week

I certify this propeller has been inspected IAW a 100 hour inspection and was determined to be in an airworthy condition.

Date: 11/16/2021

SIGNED:
Austin Paden, A&P: 4494928

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

wo: N687ML 2022.03.25 Scheduled



Propeller R - page 1 of 1

Diamond Fleet & Aviation Service - 5070 S. Collins S. Suite 205 - Arlington, TX 76018 - 9012474808

N687ML
TACH: 6073.8

MT Propeller, MTV-6-R-C-F/CF187-129, S/N: 080179
PTSN: 1199.8 PTSO: 380.8

March 29, 2022

1. **Annual Inspection - R Propeller** - Annual/100 Hour Inspection completed using FAR 43 Appendix D, MT Propeller CMM/ICA as a guide. All ADs current & complied with through bi-week.
2. **100 Hour Inspection** - Completed in conjunction with Annual Inspection. Next Due at 6173.8 TACH.

With respect to the work performed, this propeller has been found in an airworthy condition and is approved for return to service. Details of work performed are on file with Diamond Fleet & Aviation Service under work order: N687ML 2022.03.25 Scheduled.

Michael Smith A&P/IA 3906663

wo: N687ML 2022.07.11 Scheduled



Propeller R - page 1 of 1

Diamond Fleet & Aviation Services - 5070 S. Collins S. Suite 205 - Arlington, TX 76018 - 9012474808

N687ML
TACH: 6168.0

MT Propeller, MTV-6-R-C-F/CF187-129, S/N: 080179
PTSN: 1294.0 PTSO: 475.0

July 11, 2022

1. **100 Hour Inspection** - Inspection completed using DA42NG AMM current revision, MT Propeller ICA, & FAR 43 Appendix D. All ADs complied with through current bi-week. Next due @ 6268.0 TACH (1394.0 PTSN).

With respect to the work performed, this propeller has been found in an airworthy condition and is approved for return to service. Details of work performed are on file with Diamond Fleet & Aviation Services under work order: N687ML 2022.07.11 Scheduled.

Kavin Barney A&P 4416057

PROP MODEL (R):
MTV-6-R-C-F/CF187-129
PROP S/N (R): 080179
REG. NO: N687ML
WORK ORDER: 0697



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76105
Phone: 562.881.5345

DATE: 2/24/2023
A/C TSN: 6226.7
PROP TT (R): 533.7
HOBBS: 739.2

Right Prop Entries

- Performed 100 Hour Inspection using DA42NG AMM as a guide

I certify this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 2/24/2023

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0697

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A full-page view of a blank sheet of graph paper. The grid consists of horizontal and vertical lines forming small squares. At the top left corner, there is some faint, partially visible text that appears to say "1/2024".