

1. Approving Civil Aviation Authority / Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG TEXAS AIRCRAFT PROPELLER & ACCESSORIES 1711 CR 130 - Pearland, Texas 77581	3. Form Tracking Number 1987
4. Organization Name and Address:	8. Part Number:	5. Work Order/Contract Number 1987



Texas Aircraft Propeller & Accessories

1711 CR 130
Pearland, Texas 77581
Phone: 281.485.4400 Fax: 281.485.3006
FAA CRS: 7RDR559C

Located in Pearland Regional Airport

DELIVERY TICKET

Customer: Diamond Fleet & Aviation Services Date: 11/5/2021
Address: 5070 S. Collins St. Suite 205 Phone: 910-644-4919
Arlington, TX 76018 PO #: N687ML

Model #	Serial #
MTV-6-R-C-F	110860

Received in good condition:

Austin Paden Austin Paden

FAA Form 8130-3 (02-14)

30 Dec 2008 (Previously form 24-0078)

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 issues in accordance with the applicable national regulations before

Installer Responsibilities

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

19871

TEXAS AIRCRAFT PROPELLER & ACCESSORIES
1711 CR 130 - Pearland, Texas 77581

7RDR559C

19871

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
1	Propeller	MTV-6-R-C-F	1	110860	REPAIRED

Resealed Propeller IAW Manuals: E-220; E-808; E-1290

Blade S/N: ACI-44015, ACI-44016, ACI44017

☐ ~~Approved design data and are in a condition for safe operation.~~

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.

13c. Approval/Authorization No.:

14c. Approval/Certificate No.:
7RDR559C

13e. Date (~~dd/mm/yyyy~~)

Joseph D. Kohler

00/00/00

...the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article
Where the user/installer...

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

Approving Civil Aviation Authority / Country: FAA/UNITED STATES		2 AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3 Form Tracking Number 19871	
Organization Name and Address: TEXAS AIRCRAFT PROPELLER & ACCESS 7RDR559C 1711 CR 130 - Pearland, Texas 77581			5. Work Order/Contract/ Invoice Number: 19871			
Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:	
1	Propeller	MTV-6-R-C-F	1	110860	REPAIRED	

2. Remarks:

Resealed Propeller IAW Manuals: E-220; E-808; E-1290

Blade Model#: CF187-129

Blade S/N: ACI-44015, ACI-44016, ACI44017

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:	14c. Approval/ Certificate No 7RDR559C
13d. Name (Typed or Printed):	13e. Date (m/d/y): 00/00/00	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy)

1. Approving Civil Aviation Authority/Country		2.		3. Form Tracking Number:	
TRANSPORT CANADA				P4266 - 1	

4. Organization's Name and Address			5. Work Order/contract/invoice		
HOPE AERO PROPELLER & COMPONENTS, INC. 7605 BATH ROAD, MISSISSAUGA, ON, CANADA goodtogo@hopeaero.com			PO1055931		

6. Item:	7. Description	8. Part Number	9. Quantity	10. Serial/Batch Number:	11. Status/Work:
1	3 BLD- HYDRAULIC PROPELLER	MTV-6-R-C-F/CF187-129	1	110860	OVERHAULED

12. Remarks:
Work performed IAW:
MT PROPELLER OVERHAUL MANUAL E-220/61-12-20 Revision 64

Installed new return spring model number A-994.
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.		14a. ☒ CAR 571.10 Maintenance Release. ☐ 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, has been performed in compliance with the Canadian Aviation Regulations.	
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13b. Signature	13c. Approval Organization Number	14b. Signature	14c. Approval Organization Number
N/A	N/A	 HOPE AERO 63-91 #5	AMO 53-91
13d. Name	13e. Date (dd/mm/yyyy)	14d. Name	14e. Date (dd/mm/yyyy)
N/A	N/A	B. Kentner	12-NOV-2020

30 Dec 2008 (Previous form 24-0078)
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 issues in accordance with the applicable national regulations before the aircraft may be flown.

Work Order Task

HOPE AERO PROPELLER & COMPONENTS, INC.

Work Order #: P4266

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

Serial Numbers: 110860

THE FOLLOWING WERE COMPLIED WITH ON WORK ORDER P4266

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 stainless 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

HOPE AERO
53-91 #5



Registration: N593ER
Airframe Total Time: 4387.3

- LH Prop removed for overhaul
PN: MTV-6-R-C-F/CF137-129, SN: 1

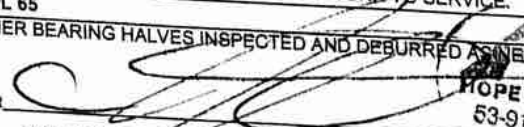
The Maintenance Described has been
Air

ACA



PROPELLER MAINTENANCE LOG

DATE	TACH HOBBS METER TIME	<u>DESCRIPTION OF WORK PERFORMED</u> All data must be endorsed with the Repair Station Number or Signature and Certificate Number of the person performing the work
		 Hope Aero Propeller & Components Inc. 7605 Bath Road, Mississauga, ON L4T 3T1 Canada T 905-677-8747 TF 800-268-9900 F 905-677-5935 hopeaero.com Approved Maintenance Organization No. 53-91 Overhauled as per MT PROPELLER Overhaul Manual E-220/61-12-20 Revision 64. Details covered on Work Order P4266. Diameter <u>73.8"</u> The Maintenance Described has been performed in accordance with the applicable standards of Airworthiness GoodToGo@hopeaero.com
NOV 12 2020	0.00	

Work Order Task	Page: 1 of 1
HOPE AERO PROPELLER & COMPONENTS, INC.	
Work Order #: P4266	Report Date: 2020-11-12
Model: MTV-6-R-C/FCF187-129	
Serial Numbers: 110860	
THE FOLLOWING WERE COMPLIED WITH ON WORK ORDER P4266	
MT S/L 23A INSTALLATION OF NEW BLADE SEALS IN CONSTANT SPEED MT-PROPELLERS.	
MT S/L 50 PRELOAD RINGS REMOVED AND INSTALLED AS PER SERVICE INSTRUCTION.	
MT S/L 68 Rev.12 BLADES PAINTED AS PER SERVICE INSTRUCTION. (applies to stainless steel and nickel leading edges)	
MT S/L 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 53-91 #5 HOPE AERO PROPELLER & COMPONENTS, INC. AMO 53-91	

PROPELLER LOG

1. Make:	MT-Propeller
2. Model:	MTV-6-R-C-F/CF187-129
3. Specification Number:	P19NE
4. Date of Manufacture: November, 2011	Date Installed: January, 2021
5. Hub Serial Number:	110860
6. Blades:	
a. Design Number:	CF 187-129
b. Blade Serial Numbers:	
i. :	ACI-44015
ii. :	ACI-44016
iii. :	ACI-44017
iv. :	
c. Pitch Setting	
i. Basic:	
ii. High:	
iii. Low:	12.0° +/- 0.2 °
iv. Reverse:	
v. Feather:	81° +/- 1°

PROPELLER SERVICE AND

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



AMO 161-93

Aircraft Reg: N590ER
Work Order: S0072539

Date: March 15, 2021

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

The following maintenance was carried out on the LH prop:

- #57 Overhauled propeller installed IAW DA42NG AMM Doc. 7.02.15 Rev 4 PN: MTV-6-R-C-F/CF187-129, SN off: 151066, SN on: 110860.
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 0.168 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 (L):
PROP S/N (L):
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 (L): 76.3
HOBBS: 108.4

Left 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 (L):
MTV-6-R-C-F/CF187-129
PROP S/N (L): 110860
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 (L): 191.6
HOBBS: 239.8

Left 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

Printed by EBis 3 (datamedia.com)

TOTAL SINCE MFG.		
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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(L): 0

SIGNATURE

LICENCE
NUMBER

Left prop

- performed 100 hour inspection using DA42NG AMM as a guide
- Sent left leaking prop to be overhaul at Texas Aircraft Propellers & Accessories
- Ran engine to see if left prop is leaking after overhauled. No leaked noted.
- 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

wo: N687ML 2022.03.25 Scheduled



Propeller L - 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: 110860
PTSN: 1499.1

March 29, 2022

PTSO: 380.8

1. **Annual Inspection - L 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 L - 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: 110860
PTSN: 1593.3

July 11, 2022

PTSO: 475.0

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 (1693.3 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 (L):
MTV-6-R-C-F/CF187-129
PROP S/N (L): 110860
REG. NO: N687ML
WORK ORDER: 0697



Premier Aircraft Service, Inc.

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

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

Left 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 Sealead, License: AP3492477 IA

Work Order: 0697

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PROPELLER SERVICE AND

PROP MODEL (L):
MTV-6-R-C-F/CF187-129
PROP S/N (L): 110860
REG. NO: N687ML
WORK ORDER: 1043



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562 881 5345

DATE: 3/1/2024
A/C TSN: 6369 9
PROP TT (L): 676 9
HOBBS: 918.6

Left 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: 3/1/2024

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 1043

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CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.