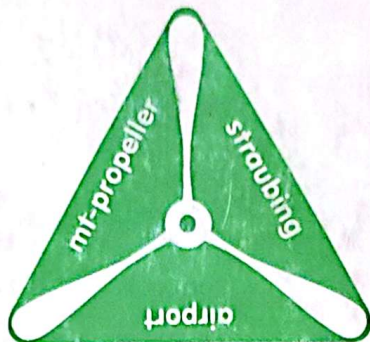


LT. LOG-BOOK #2



mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

LH 42.081

WITE - 1198
1998

Section 4. PROPELLER



42.081

S/N 05228

Owner Name _____

Address _____

Propeller Model MTV-6-A-C-F

Blade Model CF187-129

Hub Serial No. 05228

Blade Serial No. 1 WB-22280

Propeller Diameter: 187 cm \pm 0.5 cm

2 WB-22281

Low Pitch: 12 $^{\circ}$ \pm 0.2 $^{\circ}$ TCI: 72 Month

3 WB-22282

High Pitch: — $^{\circ}$ \pm — $^{\circ}$ TBO: 1500 Hrs.

4 /

Feathering: 81 $^{\circ}$ \pm 1.0 $^{\circ}$

5 /

Reverse: / $^{\circ}$ \pm / $^{\circ}$

6 /



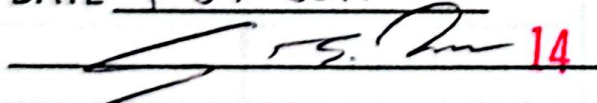
at radius station: 70 cm

INSTALLATION HISTORY

Date	Aircraft Model, Registration & Serial No., Tacho or Hobbs-Time
29.11.05	INSTALLED DA42 42.081 LH



MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
29.03.05	00:00	-	Manufactured, new	
29.11.05	00:00	-	INSTALLED DA42 42-081LH	
 <p>PRESCOTT, ARIZONA 3700 WILLOW CREEK ROAD MAINTENANCE (928) 777-4339</p>				
<p>Prop PN # <u>MTV-G-R-C-F/CF187-129</u> SN # <u>05228</u> Please reference attached logbook #2 for Maintenance & Service history of this propeller.</p>				
<p>DATE <u>9-27-2011</u>  14</p>				
<p>CRS #BF8R0320</p>				
<p>NOTE: E.</p>				<p>Service Bulletins On Pages 11 & 12</p>

1. Approving National Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number 11-224MT
--	---	-------------------------------------

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: 11-224MT
--	---

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	DA-42	1	05228	Overhaul

13. Remarks
Overhauled propeller in accordance with W/O# 11-224MT and Overhaul Manual E-220.
Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C.
Blade S/N: 1) WB-22280 2) WB-22281 3) WB-22282
Year of Manufacture: 2005
This propeller conforms to Service Bulletins no. 5 and 8B
TSN: 997.6 hrs. TSO: 0.0 hrs.
TCDS: P19NE



14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-Approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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: <i>J Zahner</i>	21. Approval/Certificate No.: Q4MR908Y
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Juergen Zahner, Chief Inspector	23. Date (m/d/y): July 07, 2011

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 National Aviation Authority/Country: FAA/United States	AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number 09-407MT
--	---	-------------------------------------


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: 09-407MT
--	---

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	05228	Repair

13. Remarks

Repaired propeller in accordance with W/O # 09-407MT and Overhaul Manual E-220.
 Blade S/N: 1) WB-22280, 2) WB-22281 and 3) WB-22282.
 Year of Manufacture: 2005
 TSN: 868.2 hours
 TCDS: P19NE

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-Approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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): Juergen Zahner, Chief Inspector	23. Date (m/d/y): November 5, 2009

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.

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 487/05
---	---	---

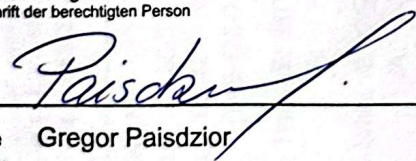
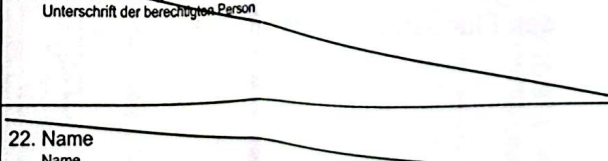
Approved Organisation Name and Address: Name und Anschrift des genehmigten Betriebes MT-Propeller Entwicklung GmbH Airport Straubing – Wallmühle, D-94348 Atting, Germany	5. Work Order/Contract/Invoice Arbeitsauftrag/Vertrag/Lieferschein 20500177
--	--

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	05228	"MANUFACTURED"

3. Remarks
Bemerkungen

New Propeller
 Blades: 1: WB-22280, 2: WB-22281, 3: WB-22282
 Year of construction: 2005, TSN: 00:00 hrs
 The propeller conforms with the data sheet no. 32.130/57, issue 5 (11/02)

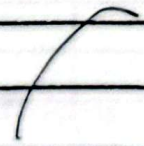
4. Certifies that the items identified above were manufactured in conformity to: Es wird bescheinigt, dass die oben aufgeführten Artikel hergestellt wurden in Übereinstimmung mit: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind <input type="checkbox"/> non-approved design data specified in block 13 in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen	19. <input type="checkbox"/> Part-145A.50 Release to Service Freigabebescheinigung gem. Teil-145A.50 <input type="checkbox"/> 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.
--	--

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-/Genehmigungsnr.
17. Name Name Gregor Paisdzior	18. Date (d/m/y) Datum (T/M/J) 29.März 05	22. Name Name	23. Date (d/m/y) Datum (T/M/J)

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

PROPELLER LOG

- 1. Make MT- PROPELLER.
- 2. Model MTV-6-^RA-C-F/CF 187-129
- 3. Specification No. P19NE
- 4. Date of Manufacture 29 MARCH, 2005
- 5. Hub Serial No. 05228
- 6. Blades
 - (a) Design No. 187-129
 - (b) Blade Serial Nos.
 - (i) WB - 22280
 - (ii) WB - 22281
 - (iii) WB - 22282.
 - (iv) _____
 - (v) _____
 - (c) Pitch Setting
 - (i) Basic _____
 - (ii) High _____
 - (iii) Low _____
 - (iv) Reverse _____



PROPELLER SERVICE AND

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

PROPOSED BY
 APPROVED BY
 REG. NO. (S/N)
 WORK ORDER
 794-05-008



Premier Aircraft Services, Inc.
 5545 NW 22nd Avenue, Hanger 14
 Fort Lauderdale, FL 33308
 Phone: (954) 344-2331

DATE ISSUED
 AC TSN #
 PROP T (L) TSN#
 ACSS# #

Left Prop Entries

DIV 100HR. INSPECTION ON THE LEFT PROPELLER AND INSPECTION PROCEDURES CALLED OUT IN DIAMOND DA-42 MM

I verify the propeller has been inspected in accordance with a 100 HR. inspection and found in airworthy condition at this date. Approved to return to service on this date. THE RELEASE W/NO VMA CERTIFIED FUTURE AIRWORTHINESS

DATE ISSUED: _____ SIGNED:  Work Order 794-05-008
 Ser: Teepee, A/P 32428210 Printed by ESR 3 (elabornada.com)



240 Aviator Drive North Suite 102 Naples, FL 34104 - Tel: (239) 833-4005

REG: MDATE TYPE WTYPE TACH 157 AFT 157

DIV a 100 hr. inspection JAN 24-02 WW, determined to be in an airworthy condition.

Signature:  Date: 1/26/2008
 Craig T. Bloomer AP251757114 JA



240 Aviator Drive North Suite 102 Naples, FL 34104 - Tel: (239) 833-4005

REG: MDATE TYPE WTYPE TACH 287 TSN 287

DIV a 100 hour inspection and determined to be in an airworthy condition. AD 18-15-15 DWA due to date of mfg after 1994.

Signature:  Date: 12/10/2008
 Craig T. Bloomer AP251757114 JA

Feb 7 07 Div a 100 hour inspection + determined to be in an airworthy condition



CARRIED FORWARD

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFD.	

MAINTENANCE RECORD

ENTRIES. DRAW

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N124TS** TYPE **MTV-6** TACH **495.3** TSN **495.3**


AD's researched thru 07-06, w/ an annual inspection and determined to be in an airworthy condition.

Signature  Date **April 12, 2007**

Craig T. Bloomer AP391787114 IA


URE	LICENCE NUMBER

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005




REG. **N124TS** TYPE **MTV-6** TACH **595.1** TSN **595.1**

100 hour inspection completed IAW FAR 43 app D, AD's researched thru 07-16, Determined to be in an airworthy condition.

Signature  Date **August 27, 2007**

Craig Bloomer AP391787114

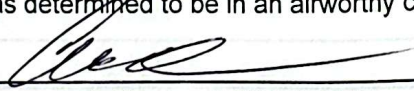
Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N124TS** TYPE **MTV 6** Tach **693.6** TSN **693.6**

Annual inspection completed IAW FAR 43 app D

I certify that this PROP has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature  Date **12/19/07**

Craig Bloomer AP391787114IA

Primeplanes Aircraft Services Inc.
 240 Aviation Drive North Suite 102
 Naples, Florida 34104 ph. 239-659-4005



REG. **N124TS** TYPE **MTV 6** TACH **790.4** TSN **790.4**

Annual inspection completed IAW FAR 43 app D and DA42 M/M ch. 5 200 hr guidelines, AD's check thru 08-20, 07-26-13 D/N/A by s/n date code, hub interior cleaned and r/r o ring, prop reinstalled on repaired gearbox and torqued IAW M/M. Accumulators serviced to 125 and feather checks performed OK

I certify that this PROP has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature  Date **6-Oct-2008**

Craig Bloomer AP391787114/A

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 →				
Oct 13, 2009 Tach: 868.2					This prop removed from N124TS. Total time since New: 868.2 <i>[Signature]</i> AP391782014

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

November 2009 **TSN: 868.2 hours**
MTV-6-A-C-F/CF187-129 **S/N: 05228**
 Repaired propeller in accordance with W/O 09-407MT and overhaul manual E-220.
 Blades repaired and new De-Ice boots installed
 Blade S/N: 1) WB-22280, 2) WB-22281 and 3) WB-22282.
 Year of manufacture: 2005
 I certify this propeller has been repaired and determined to be in airworthy condition at this time. Return to service this date, November 05, 2009.
 Juergen Zahner, Chief Inspector Q4MR908Y *[Signature]*

Dec 1, 09	A/C TT 889.8 Prop TT 868.2			This prop reinstalled on C/blend N124TS, Annual Inspection by JAW FAR 43 app D, Accumulator serviced to 125 PSI, Ground run OK <i>[Signature]</i> AP391782014
-----------	-------------------------------	--	--	--

APR 26 2011			997.6
<i>[Large diagonal line]</i>			
			997.6
TOTAL THIS PAGE			
TOTAL FROM PREVIOUS SUMMARY			
TOTAL SINCE MFG.			



Date: April 26, 2011

WO#: RO-11-041 S/N: 42.081 Reg #: N124TS TACH: 997.6 Hrs.
 LH Propeller MTV-6-A-C-F/CF187-129 S/N: 05228 TSN: 997.6 Hrs.

The Following work has been carried out.
 LH Propeller S/N: 05228 TSN: 997.6 Hrs. removed this date for Overhaul and conversion of the flange from "A" to "R" I.A.W. Mt-Propeller issued SI No. 48C. to be eligible for installation on Austro Engine.

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



PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	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					
July 2011 TSN: 997.6 hrs. TSO: 0.0 hrs.					
MTV-6-R-C-F/CF187-129 S/N: 05228					
Overhauled propeller in accordance with W/O: 11-224MT and overhaul manual E-220.					
Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C.					
Blade S/N: 1) WB-22280 2) WB-22281 3) WB-22282					
Blades correspond to S.B. 5 and 8B.					
Year of manufacture: 2005					
I certify this propeller has been overhauled and determined to be in airworthy condition at this time. Return to service this date, July 07, 2011					
Juergen Zahner, Chief Inspector Q4MR908Y J Zahner					



Date: July 19, 2011

WO #RO-11-057 A/C DA 42NG S/N: 42.302 Reg: N907ER TACH: 1247.5 Hrs.
 LH Prop. Mt-propeller MTV-6-R-C-F/187-129 S/N: 05228 TSN: 997.6 Hrs. TSOH: 0.00 Hrs.

The Following work has been carried out:

Propeller MTV-6-R-C-F/CF187-129 Ser. No. 05228 TSOH: 0.00 Hrs. Installed on LH of 42.302 I.A.W. Chapter 61 of the current issue Rev. 1. of the DA 42NG AMM after overhaul to it has been carried out by MT-Propeller USA Inc, per their W/O No. 11-224MT dated July 07, 2011.
 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 2011- 16

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

DIAMOND AIRCRAFT INDUSTRIES AMO 161-93

Signature: *J Zahner* • Lic or Stamp: DA
RO6

TOTAL THIS PAGE				
TOTAL FROM PREVIOUS SUMMARY				
TOTAL SINCE MFG.				
CARRIED FORWARD				

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 →					
Complied with 1100 hr (1100 hr) [Annual] Inspection			Complied with 1100 hr [Annual] Inspection		
Date: <u>Sept 22 2011</u>	W/O	<u>201101497</u>	Date: <u>11-09-11</u>	W/O	<u>1101862</u>
Tach: <u>1346.6</u>	A/C TT	<u>1346.6</u>	Tach: <u>1445.4</u>	A/C TT	<u>1445.4</u>
Eng TT Lt: <u>99.1</u>	Rt:	<u>99.1</u>	Eng TT Lt: <u>197.9</u>	Rt:	<u>197.9</u>
Eng TSMO Lt: <u>99.1</u>	Rt:	<u>99.1</u>	Eng TSMO Lt: <u> </u>	Rt:	<u> </u>
Prop TT Lt: <u>1096.7</u>	Rt:	<u>1096.7</u>	Prop TT Lt: <u>1195.5</u>	Rt:	<u>1195.5</u>
Prop TSMO Lt: <u>99.1</u>	Rt:	<u>99.1</u>	Prop TSMO Lt: <u>197.9</u>	Rt:	<u>197.9</u>
Inspector: <u>Farell Jamo</u>	ERAU Maintenance Section Repair Station No. BF8R0320		Inspector: <u>Alfred Nivalan</u>	ERAU Maintenance Section Repair Station No. BF8R0320	
Complied with 1100 hr (1100 hr) [Annual] Inspection			Complied with 1100 hr [Annual] Inspection		
Date: <u>Jan 9 2012</u>	W/O	<u>201102087</u>	Date: <u>2-3-12</u>	W/O	<u>1200184</u>
Tach: <u>1544.6</u>	A/C TT	<u>1544.6</u>	Tach: <u>1642.8</u>	A/C TT	<u>1642.8</u>
Eng TT Lt: <u>294.1</u>	Rt:	<u>294.1</u>	Eng TT Lt: <u>395.3</u>	Rt:	<u>395.3</u>
Eng TSMO Lt: <u>294.1</u>	Rt:	<u>294.1</u>	Eng TSMO Lt: <u>395.3</u>	Rt:	<u>395.3</u>
Prop TT Lt: <u>1294.7</u>	Rt:	<u>1294.7</u>	Prop TT Lt: <u>1392.8</u>	Rt:	<u>1392.9</u>
Prop TSMO Lt: <u>294.1</u>	Rt:	<u>294.1</u>	Prop TSMO Lt: <u>395.3</u>	Rt:	<u>395.3</u>
Inspector: <u>Farell Jamo</u>	ERAU Maintenance Section Repair Station No. BF8R0320		Inspector: <u> </u>	ERAU Maintenance Section Repair Station No. BF8R0320	
Complied with 1500-2000 hr [Annual]			Complied with 100 hr [100 hr] [Annual] Inspection		
Date: 	 	 	Date: <u>2-29-2012</u>	W/O	<u>201200579</u>
Tach: 	 	 	Tach: <u>1734.2</u>	A/C TT	<u>1734.2</u>
Eng TT Lt: 	 	 	Eng TT Lt: <u>486.7</u>	Rt:	<u>486.7</u>
Eng TSMO Lt: 	 	 	Eng TSMO Lt: <u>486.7</u>	Rt:	<u>486.7</u>
Prop TT Lt: 	 	 	Prop TT Lt: <u>1484.3</u>	Rt:	<u>1484.3</u>
Prop TSMO Lt: 	 	 	Prop TSMO Lt: <u>486.7</u>	Rt:	<u>486.7</u>
Inspector: 	 		Inspector: <u> </u>	ERAU Maintenance Section Repair Station No. BF8R0320	
CARRIED FORWARD					
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

Complied with ~~150 hr~~ [100 hr] (Annual)

Inspection

Date: 3-30-2012 W/O 20200585
 Tach: 1925.9 A/C TT: 1925.9
 Eng TT Lt: 578.4 Rt: 578.4
 Eng TSMO Lt: 578.4 Rt: 578.4
 Prop TT Lt: 1576.0 Rt: 1576.0
 Prop TSMO Lt: 578.4 Rt: 578.4
 Inspector: [Signature]

ERAU Maintenance Section

Repair Station No. BF8R0320

Complied with ~~150 hr~~ [100 hr] (Annual)

Inspection

Date: 5-30-12 W/O 201200965
 Tach: 2024.5 A/C TT: 2024.5
 Eng TT Lt: 777.0 Rt: 777.0
 Eng TSMO Lt: 777.0 Rt: 777.0
 Prop TT Lt: 1774.6 Rt: 1774.6
 Prop TSMO Lt: 777.0 Rt: 777.0
 Inspector: [Signature]

ERAU Maintenance Section

Repair Station No. BF8R0320

Complied with ~~150 hr~~ [100 hr] (Annual)

Inspection

Date: 4-29-12 W/O 201200758
 Tach: 1923.0 A/C TT: 1923.0
 Eng TT Lt: 675.5 Rt: 675.5
 Eng TSMO Lt: 675.5 Rt: 675.5
 Prop TT Lt: 1673.1 Rt: 1673.1
 Prop TSMO Lt: 675.5 Rt: 675.5
 Inspector: [Signature]

ERAU Maintenance Section

Repair Station No. BF8R0320

Complied with ~~150 hr~~ [100 hr] (Annual)

Inspection

Date: 7-6-12 W/O 201201157
 Tach: 2121.1 A/C TT: 2121.1
 Eng TT Lt: 873.6 Rt: 873.6
 Eng TSMO Lt: 873.6 Rt: 873.6
 Prop TT Lt: 1871.2 Rt: 1871.2
 Prop TSMO Lt: 873.6 Rt: 873.6
 Inspector: [Signature]

ERAU Maintenance Section

Repair Station No. BF8R0320



PRESCOTT, ARIZONA
 3715 WILLOW CREEK ROAD
 MAINTENANCE (520) 777-4339

N 907ER SN# 42.302 W/O # 201201268
 A/C TACH 2186.5 A/C TT: 2186.5
 PROP SMOH / TTSN 939.01 / 1936.6

Inspected this propeller in accordance with the 2000 hour inspection on this aircraft on this date.

All work done in accordance with Diamond DA42NG AMM chapter 05-20-00 checklist and AMM -TR-MAM - 42-524 & 380 Maintenance Program Phase 1 checklist. Reference work order, discrepancy sheets and checklists for all details of this inspection.

DATE: 8-9-12
 SIGN: [Signature]

CRS #BF8R0320

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 →				Complied with 50 hr [100 hr] (Annual) Inspection
					Date: <u>11-28-12</u> W/O <u>20101899</u>
					Tach: <u>2368.0</u> A/C TT: <u>2368.0</u>
					Eng TTLt: <u>181.5</u> Rt: <u>181.5</u>
					Eng TSMOLt: <u>181.5</u> Rt: <u>181.5</u>
					Prop TTLt: <u>2118.1</u> Rt: <u>2416.9</u>
					Prop TSMOLt: <u>1120.5</u> Rt: <u>554.8</u>
					Inspector: <u>[Signature]</u>
					ERAU Maintenance Section Repair Station No. BF8R0320
					Complied with 50 hr [100 hr] (Annual) Inspection
					Date: <u>2-11-13</u> W/O <u>20130014</u>
					Tach: <u>2471.5</u> A/C TT: <u>2471.5</u>
					Eng TTLt: <u>285.0</u> Rt: <u>285.0</u>
					Eng TSMOLt: <u>285.0</u> Rt: <u>285.0</u>
					Prop TTLt: <u>2221.6</u> Rt: <u>216.2</u>
					Prop TSMOLt: <u>1224.0</u> Rt: <u>246.2</u> ^{59.8} ₍₃₀₎
					Inspector: <u>[Signature]</u>
					ERAU Maintenance Section Repair Station No. BF8R0320
					Complied with 50 hr [100 hr] (Annual) Inspection
					Date: <u>3-18-13</u> W/O <u>20130042</u>
					Tach: <u>2570.6</u> A/C TT: <u>2570.6</u>
					Eng TTLt: <u>384.1</u> Rt: <u>384.1</u>
					Eng TSMOLt: <u>384.1</u> Rt: <u>384.1</u>
					Prop TTLt: <u>2320.7</u> Rt: <u>315.3</u>
					Prop TSMOLt: <u>1323.1</u> Rt: <u>315.3</u> ^{159.8} ₍₃₀₎
					Inspector: <u>[Signature]</u>
					ERAU Maintenance Section Repair Station No. BF8R0320
					Complied with 50 hr [100 hr] (Annual) Inspection
					Date: <u>4/25/2012</u> W/O <u>201300702</u>
					Tach: <u>2674.1</u> A/C TT: <u>2674.1</u>
					Eng TTLt: <u>487.6</u> Rt: <u>487.6</u>
					Eng TSMOLt: <u>487.6</u> Rt: <u>487.6</u>
					Prop TTLt: <u>2424.2</u> Rt: <u>413.3</u>
					Prop TSMOLt: <u>1426.6</u> Rt: <u>262.4</u>
					Inspector: <u>[Signature]</u>
					ERAU Maintenance Section Repair Station No. BF8R0320
					Complied with 50 hr [200 hr] (Annual) Inspection
					Date: <u>5-29-13</u> W/O <u>201300901</u>
					Tach: <u>2720.7</u> A/C TT: <u>2720.7</u>
					Eng TTLt: <u>584.2</u> Rt: <u>584.2</u>
					Eng TSMOLt: <u>584.2</u> Rt: <u>584.2</u>
					Prop TTLt: <u>2520.8</u> Rt: <u>515.4</u>
					Prop TSMOLt: <u>1523.2</u> Rt: <u>357.0</u>
					Inspector: <u>[Signature]</u>
					ERAU Maintenance Section Repair Station No. BF8R0320
CARRIED FORWARD					
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

Complied with 50 hr (100 hr) [Annual]



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

Inspection
Date: AUG 24 2013 W/O 201301339
Tach: 2872.8 A/C TT: 2872.8
Eng TTL: 686.3 Rt: 686.3
Eng TSMO Lt: 686.3 Rt: 686.3
Prop TTL: 2622.9 Rt: 617.5
Prop TSMO Lt: 1625.9 Rt: 461.1
Inspector: [Signature] 19

N 592ER SN# 42302 W/O # 201301744
A/C TACH 2971.1 A/C TT: 2971.1
Propeller SMOH 1723.6 Propeller TTSN 2721.2
Removed MT Propeller P/N # MTV-6-A-C-F/CF187-129
and S/N# 05228 from the LEFT position
of this aircraft for Repair. All work done in accordance
with Diamond AMM chapter 61-10-00.

ERAU Maintenance Section /
Repair Station No. BF8R0320

DATE: 10-30-13
SIGN: [Signature] 19 CRS #BF8R0320

24 MAR 2014 TTSN 2721.2 TSO 0.0
Overhauled and static balanced Refer to
WO# 10288 and 8130-3 # 33897 for details.

[Signature]

Broke Warner
Warner Propeller Tucson, AZ
FAA CRS# W59R659N



INSTALLED PROPELLER ON LEFT POSITION
592ER TT 3083.9 TACH 3083.9
PROPELLER MOD MTV-6A-C-F-CF187-129
TT 2721.2 TSMOH 1723.6
SN 05228 All work performed per manual
WO# 201500224
CRS# BF8R0320
CRS# BF8R0320

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

WARNER PROPELLER & GOVERNOR CO.

5102 S. Country Club Rd., Tucson, Az. 85706 FAA CRS # W59R659N

WORK ORDER

10288

CUSTOMER INFORMATION

BILLING	SHIPPING
Name <u>Embry Riddle Aeronautical University</u>	Name <u>Embry Riddle Aeronautical University</u>
Address <u>3700 Willow Creek Rd</u>	Address <u>6482 Corradi Way</u>
City/State/Zip <u>Prescott, AZ 86301</u>	City/State/Zip <u>Prescott, AZ 86301</u>
Contact person <u>Joe Tracy</u>	Phone <u>928-777-4332</u>
Date Received <u>1/2/14</u>	Date promised <u>3/24/14</u>

AIRCRAFT INFORMATION

A/C model <u>DA 42 NG</u>	Engine M/N <u>Austro F4</u>
A/C Serial <u>42NC301</u>	Engine S/N <u>N/A</u>
N# <u>592ER</u>	

COMPONENT INFORMATION

Item <u>Propeller</u>	Manufacturer <u>MT-Propeller</u>	Model # <u>MTV-6-R-C-F/CF187-129</u>
Serial # <u>05228</u>	Part # <u>N/A</u>	TTSN <u>2721.2</u> TTSO <u>1723.6</u>
Reason for repair <u>Timed Out/Leaks grease/Blades loose</u>		
Work to be performed <u>Overhaul</u>		

The customer authorizes the above repairs to be made to the above components

Customer signature _____

REQUIRED DOCUMENTS

New logbook Maintenance release CofA 337 Origin Other _____

MAINTENANCE INFORMATION

Inspection results <u>Defective as reported.</u>
Additional work required <u>Replace leading edges with new during overhaul</u>
Parts installed <u>1ea MTV-6-R-C-F-OH, 3ea P-146</u>
Work performed <u>Overhaul and static balance</u>
S/B, S/L, A/D compliances <u>S/B 1AKR4</u>
Maintenance release issued <u>8130-3</u> Number <u>33897</u> Date issued <u>3/24/14</u>
Attachments to this work order <u>MM20,list,8130-3,USA007</u>

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 33897	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706 FAA CRS W59R659N				5. Work Order/Contract/Invoice Number: 10288		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF187-129	1	05228	Overhauled	
12. Remarks: Overhauled and static balanced using MT Propeller manual E220 revision 53 dated 26 JAN 2013. Complied with SB 1AKR4 Refer to work order number in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): Brooke Warner		14e. Date (dd/mm/yyyy): 24 MAR 2014
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.						

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 →					
Complied with 50 hr <u>100 hr</u> [Annual <u>Annual</u>]					Complied with 50 hr <u>100 hr</u> [Annual <u>Annual</u>]
Inspection					Inspection
Date: 3-19-15 <u>5-13-15</u> W/O 20150000 <u>201500728</u>					Date: <u>5-13-15</u> W/O <u>201500728</u>
Tach: 348.9 <u>348.9</u> A/C TT: 348.9 <u>348.9</u>					Tach: <u>348.9</u> A/C TT: <u>348.9</u>
Eng TT Lt: 1292.8 <u>1292.8</u> Rt: 1292.8 <u>1292.8</u>					Eng TT Lt: <u>1292.8</u> Rt: <u>1292.8</u>
Eng TSMO Lt: 1292.8 <u>1292.8</u> Rt: 1292.8 <u>1292.8</u>					Eng TSMO Lt: <u>1292.8</u> Rt: <u>1292.8</u>
Prop TT Lt: 4159.8 <u>4159.8</u> Rt: 1097.4 <u>1097.4</u>					Prop TT Lt: <u>4262.5</u> Rt: <u>2792.4</u>
Prop TSMO Lt: 4159.8 <u>4159.8</u> Rt: 875.7 <u>875.7</u>					Prop TSMO Lt: <u>2152.7</u> Rt: <u>116.3</u>
Inspector: [Signature] <u>[Signature]</u>					Inspector: <u>[Signature]</u>
ERAU Maintenance Section					ERAU Maintenance Section
Repair Station No. BF8R0320					Repair Station No. BF8R0320
Complied with 50 hr <u>100 hr</u> [Annual <u>Annual</u>]					
Inspection					
Date: 8 Jul 2015 <u>8 Jul 2015</u> W/O 201501007 <u>201501007</u>					
Tach: 3351.1 <u>3351.1</u> A/C TT: 3351.1 <u>3351.1</u>					
Eng TT Lt: 1497.7 <u>1497.7</u> Rt: 1497.7 <u>1497.7</u>					
Eng TSMO Lt: 1497.7 <u>1497.7</u> Rt: 1497.7 <u>1497.7</u>					
Prop TT Lt: 4364.7 <u>4364.7</u> Rt: 2894.6 <u>2894.6</u>					
Prop TSMO Lt: 2255.9 <u>2255.9</u> Rt: 218.5 <u>218.5</u>					
Inspector: <u>[Signature]</u>					
ERAU Maintenance Section					
Repair Station No. BF8R0320					




PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

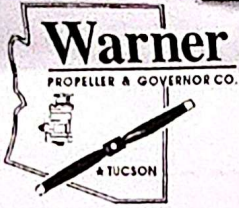
N 591ER SN# 42.081 W/O # 201501390
A/C TACH 3448.7 A/C TT: 3448.7
Propeller SMOH 2353.5 Propeller TTSN 4462.3
Removed MT Propeller P/N # M5V-6-R-C-F/CFR2-129
and S/N# 05228 from the LEFT position
of this aircraft for Repair. All work done in accordance
with Diamond AMM chapter 61-10-00.

DATE: 9-28-15
SIGN: [Signature] 28 CRS #BF8R0320

17 NOV 2015 TSN 4462.3 TSO 0.0
Overhauled, functional tested and
static balanced. Refer to WO # 11626
and 8130-3 # 35991 for details.

 [Signature]
Brooke Warner
Warner Propeller & Governor Co. LLC
FAA CRS # W59R659N

TOTAL THIS PAGE
TOTAL FROM
PREVIOUS SUMMARY
TOTAL
SINCE MFG.



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER #
11626

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER

Name Embry Riddle Aeronautical University
Address 3700 Willow Creek Rd.
City/State/Zip Prescott, AZ 86301
Contact person Parts Department
Phone 928-777-4336

AIRCRAFT

Aircraft model Diamond DA 42 NG
Aircraft serial 42.081
Engine model Austro E4
Registration N591ER
Date received 02 OCT 2015

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	MT Propeller
Model(s)/Part(s)	MTV-6-R-C-F/CF187-129	TTSN	4462.3
Serial(s)	05228	TTSO	2353.5
Reason for repair	TBO.		
Work to be performed	Overhaul and static balance.		

MAINTENANCE INFORMATION

Inspection results Blade #2 has leading edge damage 5.4" from tip. Blade #3 has delamination starting on camber side in area 5" from ferrule.

Additional work required Repair damage on blade #2 and #3. Replace leading edge on blade #2.


Parts installed 1ea MTV-6OHK, 1ea P146-CF187-129.

Work performed Overhauled, functional tested and static balanced.

S/B,S/L,A/D compliances SL 32R1, SB 1R0.

Maintenance release issued 8130-3 **Number** 35991 **Date** 17 NOV 2015

Attachments to this work order MM20,MM27,USA007,List,8130-3.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 35991	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706 FAA CRS W59R659N				5. Work Order/Contract/Invoice Number: 11626		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF182-129	1	05228	Overhauled	
12. Remarks: Overhauled, functional tested and static balanced using MT Propeller manual E220 revision 57 dated 15 SEP 2015. Complied with SL 32R1, SB 1R0. Refer to work order number listed in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Brooke Warner		14e. Date (dd/mm/yyyy): 17 NOV 2015	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

MAINTENANCE RECORD

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

SIGNATURE

LICENCE NUMBER

Complied with ~~(50 hr/100 hr)~~ (Annual) Inspection
 Date 4-27-16 W/O 201600761
 Tach 2468.9 A/CTT 2468.9
 Eng TT Lt 781.1 Rt 781.1
 Eng TSMO Lt 781.1 Rt 781.1
 Prop TT Lt 4462.3 Rt 828.3
 Prop TSMO Lt 0.0 Rt 828.3
 Inspector: Alan Orbell 28

ERAU Maintenance Section
 Repair Station No. BF8R0320



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N 593ER S/N# 42.NC001 W/O# 201600761
 A/CTACH: 2468.9 A/CTT: 2468.9
 Removed MT Propeller P/N# MTV-6R-C-F/CF187-129
 and S/N# 061244 Propeller TTSN 3538.8
 Propeller SMOH 2337.0 from the LEFT position.
 Installed serviceable Propeller P/N# MTV-6R-C-F/CF187-129
 and S/N# 05228 with Propeller TTSN 4462.3
 and Propeller SMOH 0.0, all work done in
 accordance with Diamond DA42NG Maintenance Manual
 chapter 61-10-00 latest revision.

DATE: 4-26-16

SIGN: Alan Orbell 28

CRS #BF8R0320



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N 593ER S/N# 42.NC001 W/O# 201600888
 A/CTACH: 2499.5 A/CTT: 2499.5
 Propeller TTSN 4492.9 Propeller SMOH 30.6
 Removed McCauley propeller p/n# MTV-6-R-C-F/CF187-129
 and s/n# 05228 for overhaul. All work done
 in accordance with Cessna 172S Maintenance Manual
 chapter 61 latest revision.

Date 5-17-16

Sign Alan Orbell 28

CRS #BF8R0320

07 JULY 2016

TTSN 4492.9 TSO 30.6

Repaired, functional tested and statically
 balanced. Refer to WO# 12111 and
 8130-3H# 36561 for details.

Brooke J Warner

Brooke J Warner
 Warner Propeller Tucson, AZ
 FAA CRS# W/59R659N





5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

36561

WORK ORDER #

12111

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER		AIRCRAFT	
Name	ERAU	Aircraft model	DA42NG
Address	3700 Willow Creek Rd	Aircraft serial	42.NC0001
City/State/Zip	Prescott, AZ 86301	Engine model	E4
Contact person	Eric Campbell	Registration	N5393ER
Phone	928-777-4336	Date received	05/26/2016

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	MT-Propeller
Model(s)/Part(s)	MTV-6-R-C-F/CF187-129	TTSN	4492.9
Serial(s)	05228	TTSO	30.6
Reason for repair	Does not feather fully, slow to actuate.		
Work to be performed	Repair, functional test and static balance.		

MAINTENANCE INFORMATION

Inspection results Found blade O-rings binding during rotation to feather.

Additional work required Remove blade O-rings and replace with new C-057-64.

Parts installed 3ea C-057-64, 1ea C-048-A, 6ea C-067, 6ea C-076A.

Work performed Repaired, functional tested and statically balanced.

S/B,S/L,A/D compliances None.

Maintenance release issued 8130-3H **Number** 36561 **Date** 07/08/2016

Attachments to this work order 8130-3H, list, MM-20.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 36561	
4. Organization Name and Address: Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706		FAA CRS W59R659N			5. Work Order/Contract/Invoice Number: 12111	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF187-129	1	05228	Repaired	
12. Remarks: Repaired using MT-Propeller manual E-220, rev 57, Sept 15, 2015. For details refer to work order listed in block 5.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyy):	14d. Name (Typed or Printed): Brooke J Warner		14e. Date (dd/mm/yyy): 07/JUL/2016	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

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 →					



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N 593ER S/N# 42 NCO01 W/O# 201601290
 A/CTACH: 2675.5 A/CTT: 2675.5
 Removed MT Propeller P/N# MTV-6R-C-F/CF187-129
 and S/N# 120048 Propeller TTSN 1034.9
 Propeller SMOH 1034.9 from the RIGHT position.
 Installed serviceable Propeller P/N# MTV-6R-C-F/CF187-129
 and S/N# 05228 with Propeller TTSN 4492.9
 and Propeller SMOH 30.6, all work done in
 accordance with Diamond DA42NG Maintenance Manual
 chapter 61-10-00 latest revision.

DATE: 8-24-16
 SIGN: Alex Orshole 28 CRS #BF8R0320

Complied with ~~100 hr~~ (Annual) Inspection
 Date 8-24-16 W/O 201601290
 Tach 2675.5 A/CTT 2675.5
 Eng TT Lt 987.7 Rt 987.7
 Eng TSMO Lt 987.7 Rt 987.7
 Prop TT Lt 3407.9 Rt 4492.9
 Prop TSMO Lt 176.0 Rt 30.6
 Inspector: Alex Orshole 28

ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~100 hr~~ (100 hr) ~~1000 hr~~ Inspection
 Date 10-19-16 W/O 20160710
 Tach 2769.5 A/CTT 2769.5
 Eng TT Lt 1081.7 Rt 1081.7
 Eng TSMO Lt 1081.7 Rt 1081.7
 Prop TT Lt 3501.9 Rt 4586.9
 Prop TSMO Lt 270.0 Rt 124.6
 Inspector: Alex Orshole 28

ERAU Maintenance Section
 Repair Station No. BF8R0320



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N 593ER SN# 42 NCO01 W/O# 201700001
 A/CTACH 2871.2 A/CTT: 2871.2
 LT ENG TTSN 1183.4 RT ENG TTSN 1183.4
 LT ENG SMOH 1183.4 RT ENG SMOH 1183.4
 LT PROP TTSN 3603.6 RT PROP TTSN 4688.6
 LT PROP SMOH 371.7 RT PROP SMOH 226.3
 Inspected this Propeller in accordance with Annual / 1000
 hour Diamond DA42NG Maintenance checklist, AMM
 chapter 05-28-00 latest revision. Reference work order and
 discrepancy sheets for all details of this inspection.
 DATE: 01-09-17
 SIGN: Alex Orshole 28 CRS #BF8R0320

END

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

Complied with ~~50hr~~ (100 hr) ~~(Annual)~~ Inspection
 Date 3-21-17 W/O 201700367
 Tach 2969.4 A/CTT 2969.4
 Eng TT Lt 1281.6 Rt 1281.6
 Eng TSMO Lt 1281.6 Rt 1281.6
 Prop TT Lt 1934.1 Rt 4786.8
 Prop TSMO Lt 1934.1 Rt 324.5
 Inspector: Alan Orville 28
 ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~50hr~~ (Annual) Inspection
 Date 6-1-17 W/O 201700771
 Tach 3067.8 A/CTT 3067.8
 Eng TT Lt 1380.0 Rt 1380.0
 Eng TSMO Lt 1380.0 Rt 1380.0
 Prop TT Lt 2032.5 Rt 4885.2
 Prop TSMO Lt 2032.5 Rt 422.9
 Inspector: Alan Orville 28
 ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~50hr~~ (100 hr) ~~(Annual)~~ Inspection
 Date 8-21-17 W/O 201701188
 Tach 3171.1 A/CTT 3171.1
 Eng TT Lt 1483.3 Rt 1483.3
 Eng TSMO Lt 1483.3 Rt 1483.3
 Prop TT Lt 2135.8 Rt 4988.5
 Prop TSMO Lt 2135.8 Rt 526.2
 Inspector: Alan Orville 28
 ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~50hr~~ (100 hr) (Annual) Inspection
 Date 11-3-17 W/O 201701673
 Tach 3269.0 A/CTT 3269.0
 Eng TT Lt 1581.2 Rt 1581.2
 Eng TSMO Lt 1581.2 Rt 1581.2
 Prop TT Lt 1929.9 Rt 5086.4
 Prop TSMO Lt 0.0 Rt 624.1
 Inspector: Alan Orville 28
 ERAU Maintenance Section
 Repair Station No. BF8R0320



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N593SR S/N# 42.NC001 W/O# 201800129
 A/C TACH: 3368.1 A/CTT: 3368.1
 Propeller TTSN 5185.5 Propeller SMOH 723.2
 Removed MT Propeller P/N # MIV-C-B-C-F/CF187-D9
 and S/N # 05228 from the RIGHT position
 for (Repair / Overhaul). All work done in accordance with
 Diamond DA42NG Maintenance Manual chapter 61-10-00
 latest revision.

Date 1-27-18
 Sign Alan Orville 28 CRS #BF8R0320

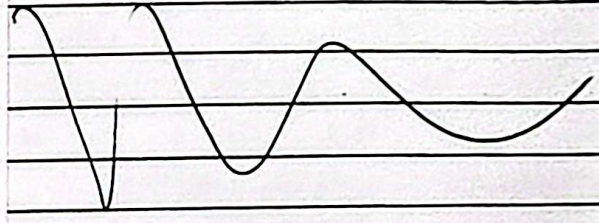
MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
 OR LIFE

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					<p>05 JUN 2018 TSN 5185.5 TSO 723.2 Repaired, resealed, functional tested and static balanced Refer to WO # 13137 and 8130-3 # 37961 for details</p> <div style="text-align: right; margin-top: 10px;"> <p><i>Brooke Warner</i> Brooke Warner Warner Propeller & Governor Co. LLC FAA CRS # W59P659N</p> </div>



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339



NS91EA S/N # 42.081 W/O # 201801840
 A/C TACH: 4799.3 A/CTT: 4799.3
 Removed MT Propeller P/N # MTV-6R-C-F-CF87-129
 and S/N # 120048 Propeller TTSN 1754.8
 Propeller SMOH 1754.8 from the R:6LT position.
 Installed serviceable Propeller P/N # MTV-6R-C-F-CF187
 and S/N # 05228 with Propeller TTSN 5185.5
 and Propeller SMOH 723.2, all work done in
 accordance with Diamond DA42NG Maintenance Manual
 chapter 61-10-00 latest revision.

Complied with (50 hr) (100 hr) (Annual) Inspection
 Date SEP 27 2018 W/O 201801840
 Tach 4799.3 A/CTT 4799.3
 Eng TT Lt 1970.7 Rt 2596.4
 Eng TSMO Lt 443.7 Rt 1099.6
 Prop TT Lt 3093.7 Rt 5185.5
 Prop TSMO Lt 625.3 Rt 723.2
 Inspector: [Signature] 19

DATE: SEP 27 2018
 SIGN: [Signature] 19 CRS #BF8R0320

ERAU Maintenance Section
 Repair Station No. BF8R0320

				CARRIED FORWARD ENT
TOTAL THIS PAGE				
TOTAL FROM PREVIOUS SUMMARY				
TOTAL SINCE MFG.				



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER #
13137

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER

Name Embry-Riddle Aeronautical University
Address 6482 Corradi Way
City/State/Zip Prescott, AZ 86301
Contact person Parts Department
Phone 928-777-4336

AIRCRAFT

Aircraft model DA-42NG
Aircraft serial 42.NC001
Engine model E4
Registration N593ER
Date received 15 FEB 2018

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	MT Propeller
Model(s)/Part(s)	MTV-6-R-C-F/CF187-129	TTSN	5185.5
Serial(s)	05228	TTSO	723.2
Reason for repair	Propeller will not feather.		
Work to be performed	Inspect and repair as required.		

MAINTENANCE INFORMATION

Blade torque high primarily due to dry balls, spacers and seals. Blade #1 SN WB-22280 has crack in inboard knob of L.E. in cuff area.

Inspection results

Additional work required Reseal propeller. Repair small blade damage on SN WB-22280.

Parts installed 1ea MTV6RSK.

Work performed Repaired, resealed, functional tested and static balanced.

S/B,S/L,A/D compliances SL 32R3.

Maintenance release issued 8130-3 Number 37961 Date 05 JUN 2018

Attachments to this work order MM20,USA007,MM27,List,8130-3.

TO SERVICE AND

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 37961	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706				5. Work Order/Contract/Invoice Number: 13001		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF187-129	1	05228	Repaired	
12. Remarks: Repaired, resealed, functional tested and static balanced using MT Propeller manual E-220 revision 61 dated 18 SEP 2017. Complied with SL 32R3. Refer to work order number listed in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No.: W59R659N		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Brooke Warner	14e. Date (dd/mm/yyyy): 05 JUN 2018		
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.						

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 591ER SN# 42081 W/O# 201900302

A/CTACH 4853.0 A/CTT: 4853.0

LT ENG TTSN 2074.4 RT ENG TTSN 2700.1

LT ENG SMOH 547.4 RT ENG SMOH 1203.3

LT PROP TTSN 1957.2 RT PROP TTSN 5289.2

LT PROP SMOH 100.7 RT PROP SMOH 826.9

Inspected this Propeller in accordance with Annual / 1000
hour Diamond DA42NG Maintenance checklist, AMM
chapter 05-28-00 latest revision. Reference work order and
discrepancy sheets for all details of this inspection.

DATE: 3-13-19

SIGN: Alan G. DeLoe CRS #BF8R0320

Complied with ~~500hr~~ (100 hr) Annual Inspection

Date 6-26-19 W/O 201901403

Tach 4951.2 A/CTT 4951.2

Eng TT Lt 2122.6 Rt 2798.3

Eng TSMO Lt 645.6 Rt 1301.5

Prop TT Lt 1955.4 Rt 5387.4

Prop TSMO Lt 198.9 Rt 925.1

Inspector: Alan G. DeLoe 28

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~500hr~~ (Annual) Inspection

Date 9-11-19 W/O 201902017

Tach 5052.8 A/CTT 5052.8

Eng TT Lt 2274.2 Rt 2899.9

Eng TSMO Lt 747.2 Rt 1403.1

Prop TT Lt 2057.0 Rt 5489.0

Prop TSMO Lt 3005 Rt 1026.7

Inspector: Alan G. DeLoe 28

ERAU Maintenance Section
Repair Station No. BF8R0320



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 5091ER S/N# 42,081 W/O# 201902414

A/CTACH: 5114.9 A/CTT: 5114.9

Propeller TTSN 5551.1 Propeller SMOH 1088.8

Removed MT Propeller P/N # MTV-62-C-F/CF189-129

and S/N # 05228 from the RIGHT position

for (Repair / ~~Replacement~~). All work done in accordance with

Diamond DA42NG Maintenance Manual chapter 61-10-00
latest revision.

Date 10-22-19

Sign: Alan G. DeLoe 28 CRS #BF8R0320

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD	→			

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE.

23 JUN 2020
 TTSN 5551.1 TTSO 1088.8
 Repaired
 Refer to work order # 14304
 and 8130-3 # 39503

Blum

Warner
BRONZE WARNER
 Bronze Warner
 Warner Propeller Tucson AZ
 FAA CRS# W59R659N



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N574ER S/N# 42AC664 W/O# 202200724
 A/C TACH: 1567.5 A/CTT: 1567.5
 Removed MT Propeller P/N# MH-V-6-A-C-F-1E 157-129
 and S/N# 05239 Propeller TTSN 5295.7
 Propeller SMOH 615.6 from the L/H position.
 Installed serviceable Propeller P/N# MH-V-6-R-C-F-1E 147-124
 and S/N# 05224 with Propeller TTSN 5551.1
 and Propeller SMOH 1088.8, all work done in
 accordance with Diamond DA42NG Maintenance Manual
 chapter 61-10-00 latest revision.

DATE: 2-19-22
 SIGN: [Signature] CRS #BF8R0320

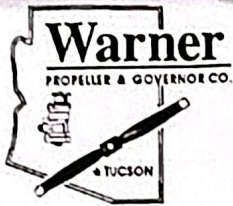
Complied with ~~(50 hr)~~ (Annual) Inspection
 Date 4-19-22 W/O 202201372
 Tach 1574.9 A/CTT 1574.9
 Eng TT Lt 300.5 Rt 639.3
 Eng TSMO Lt 300.5 Rt 639.3
 Prop TT Lt 5558.5 Rt 5295.7
 Prop TSMO Lt 1086.2 Rt 615.9
 Inspector: [Signature] 2A

ERAU Maintenance Section
 Repair Station No. BF8R0320

I certify that this aircraft, airframe, aircraft engine, propeller or appliance has been inspected in accordance with an (50 Hour) (100 Hour) (Annual) Inspection and was found to be in airworthy condition.

TOTAL FROM PREVIOUS SUMMARY				
TOTAL SINCE MFG.				

BROUGHT FORWARD



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER #
14304

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER

Name Embry-Riddle Aeronautical University
Address 6482 Corradi Way
City/State/Zip Prescott, AZ 86301
Contact person Parts Department
Phone 928-777-4336

AIRCRAFT

Aircraft model DA 42 NG
Aircraft serial N/A
Engine model Austro E4
Registration N5091ER
Date received 24 OCT 2019

COMPONENT INFORMATION

Component(s)	<u>Propeller</u>	Manufacturer	<u>MT Propeller</u>
Model(s)/Part(s)	<u>MTV-6-R-C-F/CF187-129</u>	TTSN	<u>5551.1</u>
Serial(s)	<u>05228</u>	TTSO	<u>1088.8</u>
Reason for repair	<u>Damage to blades.</u>		
Work to be performed	<u>Repair as required.</u>		

MAINTENANCE INFORMATION

Inspection results Leading edge and cuff area damaged on all 3 blades.

Additional work required Replace all 3 blade leading edges, repair cuff area, and repaint blades. Reseal propeller.


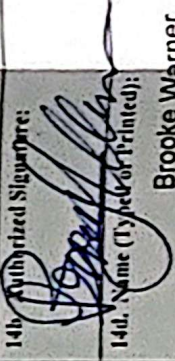
Parts installed 1ea MTV6RSK, 3ea P-146/CF187-129.

Work performed Repaired, resealed, functional tested and static balanced.

S/B,S/L,A/D compliances SL 32R5.

Maintenance release issued 8130-3 Number 39503 Date 23 JUN 2020

Attachments to this work order MM20,USA007,Parts,8130-3.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 39503	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706 FAA CRS W59R659N					
6. Item:		8. Part Number:		10. Serial Number:	
7. Description:		9. Quantity:		11. Status/Work:	
1		MTV-6-R-C-F/CF187-129		1	
Propeller				05228	
12. Remarks: Repaired using MT Propeller manual E220 revision 64 dated 18 OCT 2019. Complied with SL 32R5. Refer to work order number listed in box 5 for details.					
13a. Certifies the items identified above were manufactured in conformity to:		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service		14c. Approval/Certificate No.:	
<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		<input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		W59R659N	
13b. Authorized Signature:		14b. Authorized Signature:		14e. Date (dd/mm/yyyy):	
				23 JUN 2020	
13c. Approval/Authorization No.:		14d. Name (Type or Printed):			
		Brooke Warner			
13d. Name (Type 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 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. 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.			

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER



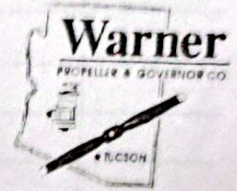
PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 594ERS/N# 42.AC064 W/OH 202203142
A/C TACH: 1575.8 A/CTT: 1575.8
Propeller SMOH 1097.1 Propeller TTSN 5559.4
Removed MT Propeller P/N # MTV-6-R-C-F/CF187-129
and S/N # 05228 from the LEFT position
for (Repair / Overhaul). All work done in accordance with
Diamond DA42NG Maintenance Manual chapter 61-10-00
latest revision.

24 AUG 2022
TTSN 5559.4, TTSO 0.0
Overhauled.
Refer to work order # 15886
and 8130-3 # 40923

Blum

Brooke Warner
Warner Propeller Tucson, AZ
FAA CRS# W59R659N



Date 8-10-22

Sign [Signature] T. 2¹⁴

CRS #BF8R0320

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659H
(520) 204-5671

WORK ORDER #

15886

WORK ORDER

CUSTOMER/AIRCRAFT INFORMATION

CUSTOMER

Name Embry-Riddle Aeronautical University

Address 6482 Corradl Way

City/State/Zip Prescott, AZ 86301

Contact person Flight Parts

Phone 928-777-4336

AIRCRAFT

Aircraft model DA42

Aircraft serial 42AC06A

Engine model Austro E4

Registration N594ER

Date received 11 AUG 2022

COMPONENT INFORMATION

Component(s)	<u>Propeller</u>	Manufacturer	<u>MT Propeller</u>
Model(s)/Part(s)	<u>MTV-6-R-C-F/CF187-129</u>	TTSN	<u>5559.4</u>
Serial(s)	<u>05228</u>	TTSO	<u>1097.1</u>
Reason for repair	<u>TBO</u>		
Work to be performed	<u>Overhaul and static balance.</u>		

MAINTENANCE INFORMATION

Inspection results Ok.

Additional work required None.

Parts installed 1ea MTV6PK.

Work performed Overhauled, functional tested, and static balanced.

S/B, S/L, A/D compliances SB 01-R7.

Maintenance release issued 8130-3 Number 40923 Date 24 AUG 2022

Attachments to this work order MM20, USA007, List, 8130-3.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 40923	
4. Organization Name and Address: Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706				5. Work Order/Contract/Invoice Number: 15886		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF187-129	1	05228	Overhauled	
12. Remarks: Overhauled using MT Propeller manual E-220 Revision 68 dated 09 DEC 2021. Complied with SB 01-R7. Refer to work order number listed in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Brooke Warner		14e. Date (dd/mm/yyyy): 24 AUG 2022	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

SERVICE AND

2022 7

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	→				



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N594ER S/N # 05228 W/O # 2022 03142
A/CTACH: 1575.8 A/CTT: 1575.8
Removed MT Propeller P/N # MTV-6-R-C-F/CF187-129
and S/N # 05228 Propeller TTSN 5559.4
Propeller SMOH 1097.1 from the L/H position.
Installed serviceable Propeller P/N # MTV-6-R-C-F/CF187-129
and S/N # 05228 with Propeller TTSN 5559.4
and Propeller SMOH 0.0, all work done in
accordance with Diamond DA42NG Maintenance Manual
chapter 61-10-00 latest revision.

DATE: 08/26/22
SIGN: *[Signature]* CRS #BF8R0320

Model: DA42
S/N. 42AC064
Reg # N594ER

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 3/3/2023
Tach: 1675.1

100hr insp completed this date IAW Diamond aircraft DA42 NG AMM, Diamond Aircraft insp checklists, and MT Propeller maintenance manual. NO AD's due at this time. Propeller approved for return to service at this time.

I certify that this propeller was inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

[Signature]

Zachary Braddock 3310705 A&P

Model: DA42
S/N. 42AC064
Reg # N594ER

CRAFT
FLIGHT TRAINING & SIMULATION
890 Greyback Rd, Summerville, SC 29483

Date: 5/5/2023
Tach: 1756.1

Annal 72
100hr insp completed this date IAW Diamond aircraft DA42 NG AMM, Diamond Aircraft insp checklists, and MT Propeller maintenance manual. NO AD's due at this time. Propeller approved for return to service at this time.

I certify that this propeller was inspected IAW a *100hr* inspection and was determined to be in airworthy condition at this time.

[Signature]

Zachary Braddock 3310705 A&P/IA

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
<p>Registration: N594ER PROP SN: 05228 PROP TTSN: 1855.D TSO N/A AC Serial Number: 42.AC064 ^{HE. AC064} Airframe TT: 1855.D WO: MYRS322</p> <p>Maintenance performed: Complied with a 100HR inspection on LH prop IAW FAR 43 appendix D and referencing the aircraft and propeller MMs. I certify this propeller has been inspected IAW 100HR inspection and was found to be airworthy</p> <p>Signature: <i>Phillip Dickinson</i> Date: 07/12/2023 PHILLIP DICKINSON 4474866 A&P</p>		



3330 AIRPORT LOOP
 SALSBURY, NC 28147
INFO@SOUTHTECAVIATION.COM
 OFFICE: 704-431-6862

DATE: OCTOBER 26, 2023 | MTV-6-R-C-F/CF187-129 | RIGHT PROPELLER | S/N: 05228 | REG: N594ER
 TACH: 1954.3 HRS. TSMOH: 1292.1 HRS. TTP:

100 HOUR INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA42 NG AMM AND MT-PROPELLER MAINTENANCE MANUAL.

AD'S CHECKED THROUGH 2023-22 NO AD'S DUE AT THIS TIME.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Glenn Lawler
 GLENN LAWLER

A&P 2151929 IA

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
<p>Registration: N594ER Propeller SN: 05228 Propeller TTSN: 1386.7 TSO N/A AC Serial Number: 42.AC064 Airframe TT: 2048.90 WO: 6873</p> <p>Maintenance performed: Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and propeller MMs. I certify that this propeller has been inspected IAW a 100 Hr. inspection and was found to be airworthy. Next due at AFTT 2023 ²⁰²⁴ 248.9</p> <p>Signature: <i>Cody Scherer</i> Date: 3/7/2024 CODY SCHERER 3851905 A&P</p>		

_____ HOURS.

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					

Registration: N594ER
 Propeller SN: 05228
 Propeller TTSN 6,061.5 TSO 502.1
 AC Serial Number: 42.AC064
 Airframe TT: 2077.90
 WO: 8212



LIFT MAINTENANCE

Maintenance performed:

Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and propeller MM's. I certify that this propeller has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

Date: 8/7/2024

Signature:
 Phillip Dickinson 4474865 A&P

Model: DA42
 S/N: 42.AC064
 Reg # N594ER



Date: 1/17/2025
 Tach: 2147.5

100hr insp completed this date IAW Diamond aircraft DA42 NG AMM, Diamond Aircraft insp checklists, and MT Propeller maintenance manual. NO AD's due at this time. Propeller approved for return to service at this time.
 I certify that this propeller was inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

Zachary Braddock 3310705 A&P



3330 AIRPORT LOOP
 SALISBURY, NC 28147
INFO@SOUTHTECAVIATION.COM
 OFFICE: 704-431-6862

DATE: NOVEMBER 3, 2025 | MTV-6-R-C-F/CF187-129 | LEFT PROPELLER | S/N: 05228 | REG: N594ER
 TACH: 2250.4 HRS. TSMOH: 674.6 HRS. TTP: 6234.0 HRS.

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA42 NG AMM AND MT-PROPELLER MAINTENANCE MANUAL. NO AD'S DUE AT THIS TIME. AD'S CHECKED THROUGH BIWEEKLY NUMBER 2025-22.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

CHRISTIAN HEDRICK A&P/A 3740465

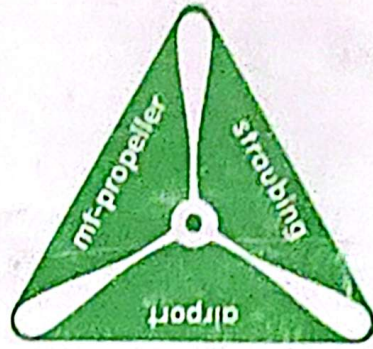
TOTAL THIS PAGE			
TOTAL FROM PREVIOUS SUMMARY			
TOTAL SINCE MFG.			

CARRIED FORWARD

R.H.

~~LOGBOOK #2~~

LOG BOOK #1



mt-propeller

The Winner's Propeller

PROPELLER LOGBOOK

DATE - 1199
NOV. 1998

Section 4. PROPELLER

~~42081~~

5/11 05238

Owner Name _____

Address _____

Propeller Model MTV-6-A-C-F

Blade Model CF 187-129

Hub Serial No. 05238

Blade Serial No. 1 VJ-21374 Propeller Diameter: 187 cm \pm 0.5 cm

2 VJ-21375 Low Pitch: 12 $^{\circ}$ \pm 0.2 $^{\circ}$ TCI: 72 Month

3 VJ-21376 High Pitch: / $^{\circ}$ \pm / $^{\circ}$ TBO: 1500 Hrs.

4 — Feathering: 81 $^{\circ}$ \pm 1 $^{\circ}$


5 — Reverse: / $^{\circ}$ \pm / $^{\circ}$

6 — at radius station: 70 cm

INSTALLATION HISTORY

Date	Aircraft Model, Registration & Serial No., Type of Work Done
29.11.05	INSTALLED DA42 #2 CB124

MAINTENANCE & SERVICE HISTORY

Date	Total Propeller Time	Time Since Overhaul	Description Of Work	Authorized Signatures Repairman and Station Certificate Numbers
27.04.05	00:00	-	Manufactured	
29.11.05	00:00	-	INSTALLED DA42 42.081R14	



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

Prop PN # MTV-6-R-C-F/CFR87-129 SN # 05238

Please reference attached logbook #2 for Maintenance & Service history of this propeller.

DATE 9-27-2011

 14

CRS #BF8R0320

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

1. Approving National Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number 11-225MT
--	---	-------------------------------------

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: 11-225MT
--	---

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	DA-42	1	05238	Overhaul

13. Remarks
Overhauled propeller in accordance with W/O# 11-225MT and Overhaul Manual E-220.
Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C.
Blade S/N: 1) VJ-21374 2) VJ-21375 3) VJ-21376
Year of Manufacture: 2005
This propeller conforms to Service Bulletins no. 5 and 8B
TSN: 997.6 hrs. TSO: 0.0 hrs.
TCDS: P19NE



14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-Approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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.
---	---

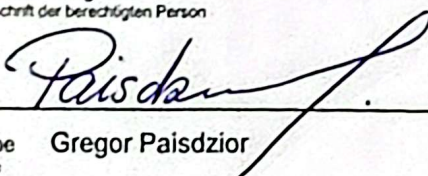
15. Authorized Signature:	16. Approval/ Authorization No.:	20. Authorized Signature: <i>J. Zahner</i>	21. Approval/Certificate No.: Q4MR908Y
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Juergen Zahner, Chief Inspector	23. Date (m/d/y): July 07, 2011

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 Lit. Formularenummer 586/05	
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/Vortrag/Lieferanten 20500177		
6. Item Lit. 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	05238	"MANUFACTURED"	
13. Remarks Bemerkungen New Propeller Blades: 1: VJ-21374, 2: VJ-21375, 3: VJ-21376 Year of construction: 2005, 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: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation genehmigten Konstruktionsunterlagen und in einem Zustand für einen sicheren Betrieb sind <input type="checkbox"/> non-approved design data specified in block 13 in Feld 13 aufgeführten nicht genehmigten Konstruktionsunterlagen				19. <input type="checkbox"/> Part 145A.50 Release to Service Freigabebescheinigung gem. Teil-145A.50 <input type="checkbox"/> 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.			
15. Authorised Signature Unterschrift der berechtigten Person 		16. Approval/Authorisation Number Genehmigungs-/Zulassungsnummer DE.21G.0008		20. Authorised Signature Unterschrift der berechtigten Person (Crossed out)		21. Certificate/Approval Ref No. Bescheinigungs-/Genehmigungsnummer (Crossed out)	
17. Name Name Gregor Paisdzior		18. Date (d/m/y) 22.Apr. 05 Datum (T/M/J)		22. Name Name (Crossed out)		23. Date (d/m/y) Datum (T/M/J) (Crossed out)	

mt-propeller - Prüfbericht No. 20500177

MT-Propeller Entwicklung (EASA: DE.21.G.0008)
 Flugplatzstr. 1, 94348 Alting

wegen Änderung Reparatur Oberholung Neu

Hersteller: MT Rechts - Zug
 G.Nr.LBA: 32.130/57 G.Nr.FAA: -
 Flugzeug: DA 42
 Motor: TAE-125-01
 Naben - Type /E: MTV-6-A-C-F
 /A: -"-
 Naben - S/No. /E: 05238
 /A: -"-
 Blatt - Type /E: CF187-129
 /A: -"-
 Blatt - s/No.:
 E1: VJ-21384 E2: VJ-21375 E3: VJ-21376
 A1: " A2: " A3: "

Einstellung bei R = 70 cm	
Kleine Steigung	1 11,9°
	2 11,7°
	3 11,5°
12° ± 0,2°	
Segelstellung / gr. Steigung	1 80,8°
	2 80,7°
	3 81,0°
81° ± 1°	

Gegenüberliegend

Propeller-Durchmesser	187 ± 0,5 cm	187 mm
Spur bei 10 cm von Blattspitze (max. 3 mm)		kl. Steig.: 0,5 - -
Rundlauf (max. 3 mm)		0,5 - -
(max. 1 gm 8 Stck. AN970-3)		1 - 2 - 3 7
Arbeitsunterlage:	E-220 P-430-2	✓

Gegenüberliegend

Grund/Bemerkung: *ohne Delce*
NEUHERSTELLUNG

Baujahr: 2005
 TSN, Std.: 00:00 TSO, Std.: -
 Letzte OH am: - TSR, Std.: -

Kunde: *Diamond Aircraft, A*

ERSATZTEILE			
Toile Nr.	Bezeichnung	Stck.	G.-Preis
	Overhaul Kit	1	
	Blade Bearing		
	1: 3305		
	2: 3312		
	3: 3396		

Fliehgewicht kl. Stgg./Rev.	1 26,0°
	2 25,9°
	3 25,7°
26° ± 0,5°	
Blattvorspannung	1 10 Nm
	2 10 Nm
	3 10 Nm
6-10 Nm	
Startlock +-1°	15,0°
	75,3

Stehbolzenlänge:	25 mm	✓
Dichtungsmasse:	RTV-105	✓
Schmiermittel:	MI-2	✓
Endkontrolle:	✓	
Securing:	✓	
Bolts, Nuts:	✓	
Seals:	✓	
Conservation:		
Service-Dokumente:	SB 4A, 5, 8A, 11, 13, 14, 15A, 16A LTA-00-214/2, 94-098/2	

Colour
 Blades: *grün* ✓
 Spinner: *HIGLOV* ✓
 Start Lock RPM 1300+ - 50RPM
 Feather Lock RPM 1630 + 30RPM
ACHTUNG Blattwinkel an der unteren Toleranz einstellen 11,8 GRAD

ANZUGSMOMENTE		
Screw, Front Plate		6 - 6,5 Nm ✓
Screw, Piston Piston Extension		20 - 22 Nm ✓
Screw, Bulkhead		9 - 10 Nm ✓
Stop Nut		45 - 47 Nm
Screw, Spinner Dome		4 - 5 Nm
Check Nut M20x1,5		90 - 100 Nm ✓
Slotted Nut M20x1,5		10 - 12 Nm
Stop Nut, Counterweight M8		30 - 35 Nm ✓
Screw, Counterweight M8		20 - 22 Nm

Original-Blattlänge: 899 mm
 Gesamtgewicht, fertig: 19,5 kg

Bearbeitet: ma	Freigabe:	Eingangsprüfung:	Endmontage: 22.4.05	Ausgangsprüfung:
Datum: 24.03.04	Datum:			
Termin: <i>KW 13/05</i>		22.04.05 Form 001-C		

PROPELLER LOG

1. Make MT-PROPELLER.
2. Model MTV-6-A-C-F/CA 187-129
3. Specification No. P19NE
4. Date of Manufacture APRIL 22, 2005
5. Hub Serial No. 05288
6. Blades
 - (a) Design No. 187-129
 - (b) Blade Serial Nos.
 - (i) VJ-21874
 - (ii) VJ-21875
 - (iii) VJ-21876
 - (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	→				

PROP MODEL (R):
 MTV-6-A-C-F/CF187-129
 PROP S/N (R): 05238
 REG. NO: 124TS
 WORK ORDER:
 784-08-2006



Premier Aircraft Service, Inc.
 5540 NW 23rd Avenue Hanger 14
 Fort Lauderdale, FL 33309
 Phone: (954) 334-2393

DATE: 8/24/2006
 A/C TSN: 97
 PROP TT (R): 114 537
 HOBBS: 97

Right Prop Entries

CW 100HR. INSPECTION ON THIS RIGHT PROPELLER IAW INSPECTION PROCEDURES CALLED OUT IN DIAMOND DA-42 MM

I certify this propeller has been inspected in accordance with a 100 HR inspection and found in airworthy condition on this date. Approved for return to service on this date. THIS RELEASE IN NO WAY CERTIFIES FUTURE AIRWORTHINESS

DATE: 8/24/2006

SIGNED:

Work Order: 784-08-2006

Sam Tavarez, A&P: 592465919

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PRIMEPLANES AIRCRAFTSERVICES INC.

240 Aviation Drive North Suite 102 Naples, FL 34104 - Tel: (239) 659 4005

REG. N124TS TYPE MTV-6-A-C-F TACH 197 AFTT 197

CW a 100 hr. inspection IAW DA42 M/M, determined to be in an airworthy condition.

Signature Date 10/31/2006

Craig T. Bloomer AP391787114 IA

PRIMEPLANES AIRCRAFTSERVICES INC.

240 Aviation Drive North Suite 102 Naples, FL 34104 - Tel: (239) 659 4005

REG. N124TS TYPE MTV-6 TACH 297 TSN 297

CW a 100 hour inspection and determined to be in an airworthy condition. AD 06-05-05 DNA due to date of mfg after 1994,

Signature Date 12/10/2006

Craig T. Bloomer AP391787114 IA

Feb 7, 07
397

clw a 100 hour inspection and determined to be in an Airworthy condition

AP391787114

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

CARRIED FORWARD

MAINTENANCE RECORD

ENTRIES, DRAW

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005



REG **N124TS** TYPE **MTV-6** TACH **495.3** TSN **495.3**

AD's researched thru 07-06, checked an annual inspection and determined to be in an airworthy condition.

Signature  Date **April 12, 2007**

Craig T. Bloomer AP391787114 IA

URE	LICENCE NUMBER

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005




REG **N124TS** TYPE **MTV-6** TACH **595.1** TSN **595.1**

100 hour inspection completed IAW FAR 43 app D, AD's researched thru 07-16, Determined to be in an airworthy condition.

Signature  Date **August 27, 2007**

Craig Bloomer AP391787114

Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005



REG **N124TS** TYPE **MTV 6** TACH **693.6** TSN **693.6**


Annual inspection completed IAW FAR 43 app D

I certify that this PROP has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature  Date **12/19/07**

Craig Bloomer AP391787114IA

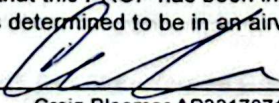
Primeplanes Aircraft Services Inc.
240 Aviation Drive North Suite 102
Naples, Florida 34104 ph. 239-659-4005



REG **N124TS** TYPE **MTV 6** TACH **790.4** TSN **790.4**

Annual inspection completed IAW FAR 43 app D and DA42 M/M ch. 5 200 hr guidelines, AD's check thru 08-20, 07-26-13 D/N/A by s/n date code, hub interior cleaned and r/r o ring, prop reinstalled on repaired gearbox and torqued IAW M/M. Accumulators serviced to 125 and feather checks performed OK

I certify that this PROP has been inspected IAW an ANNUAL/100 hr. inspection and was determined to be in an airworthy condition.

Signature  Date **6-Oct-2008**

Craig Bloomer AP391787114IA

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD ➔					
Dec 1, 09	TT	889.8			Annual inspection c/w IAW FAR 43 app D, accumulator serviced to 125, Braced Run off <i>[Signature]</i> #P39178204FA
APR 26 2011			997	.6	<div style="border: 1px solid black; padding: 5px;"> <p>◆ Diamond</p> <p style="text-align: right;">Date: April 26, 2011</p> <p>WO#: RO-11-041 S/N: 42.081 Reg #: N124TS TACH: 997.6 Hrs. RH Propeller MTV-6-A-C-F/CF187-129 S/N: 05238 TSN: 997.6 Hrs.</p> <p>The Following work has been carried out. RH Propeller S/N: 05238 TSN: 997.6 Hrs. removed this date for Overhaul and conversion of the flange from "A" to "R" I.A.W. Mt-Propeller issued SI No. 48C to be eligible for installation on Austro Engine.</p> <p style="text-align: center;">The maintenance described above has been performed in accordance with the applicable standards of airworthiness.</p> <p style="text-align: center;">DIAMOND AIRCRAFT INDUSTRIES AMO 161-93</p> <p>Signature <i>[Signature]</i> Lic or Stamp DA RO6</p> </div>
			997	.6	
<p>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</p> <p>July 2011 TSN: 997.6 hrs. TSO: 0.0 hrs. MTV-6-R-C-F/CF187-129 S/N: 05238 Overhauled propeller in accordance with W/O: 11-225MT and overhaul manual E-220. Modified hub from MTV-6-A-C-F to MTV-6-R-C-F IAW Service Instruction 48-C. Blade S/N: 1) VJ-21374 2) VJ-21375 3) VJ-21376 Blades correspond to S.B. 5 and 8B. Year of manufacture: 2005 I certify this propeller has been overhauled and determined to be in airworthy condition at this time. Return to service this date, July 07, 2011 Juergen Zahner, Chief Inspector Q4MR908Y <i>[Signature]</i></p>					
CARRIED FORWARD					
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →			0.	00.	



Date: July 19, 2011

WO #RO-11-057 A/C DA42NG S/N: 42.302 Reg: N907ER TACH: 1247.5 Hrs.
RH Prop. Mt-Propeller MTV-6-R-C-F/187-129 S/N: 05238 TSN: 997.6 Hrs. TSOH: 0.00 Hrs.

The Following work has been carried out:

Propeller MTV-6-A-C-F/CF187-129 S/N 05238 TSOH: 0.00 Hrs. Installed on RH of 42.302 I.A.W. Chapter 61 of the current issue Rev. 1. of the DA 42NG AMM. after Overhaul to it has been carried out by MT-Propeller USA, Inc. per their W/O No. 11-225MT dated July 07, 2011
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 2011- 16

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: _____



Complied with ~~[50 hr]~~ (100 hr) [Annual]

Inspection

Date: Sept 27, 2011 W/O 201101997
Tach: 1346.2 A/C TT: 1346.2
Eng TTLt 99.1 Rt 99.1
Eng TSMO Lt 99.1 Rt 99.1
Prop TT Lt: 1096.7 Rt: 1096.7
Prop TSMO Lt: 99.1 Rt: 99.1
Inspector: Farell Harris

ERAU Maintenance Section

Complied with ~~[50 hr]~~ (100 hr) [Annual]

Inspection

Date: Jan 4, 2012 W/O 201102087
Tach: 1541.6 A/C TT: 1541.6
Eng TTLt 294.1 Rt 294.1
Eng TSMO Lt 294.1 Rt 294.1
Prop TT Lt: 1296.7 Rt: 1296.7
Prop TSMO Lt: 294.1 Rt: 294.1
Inspector: Farell Harris

ERAU Maintenance Section

Repair Station No. BF8R0320

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

Complied with ~~[50 hr]~~ [Annual]

Inspection

Date: 11-09-11 W/O 1101862
Tach: 1445.4 A/C TT: 1445.4
Eng TTLt 197.9 Rt 197.9
Eng TSMO Lt Rt
Prop TT Lt: 1195.5 Rt: 1195.5
Prop TSMO Lt: 197.9 Rt: 197.9
Inspector: G. T. Harrison

ERAU Maintenance Section

Complied with ~~[50 hr]~~ [Annual]

Inspection

Date: 2-3-12 W/O 1200184
Tach: 1692.8 A/C TT: 1692.8
Eng TTLt 395.3 Rt 395.3
Eng TSMO Lt 395.3 Rt 395.3
Prop TT Lt: 1392.9 Rt: 1392.9
Prop TSMO Lt: 395.3 Rt: 395.3
Inspector: _____

ERAU Maintenance Section

CARRIED FORWARD Repair Station No. BF8R0320

MAINTENANCE RECORD

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

SIGNATURE

LIC. NUMBER

<div style="font-size: 4em; color: red; opacity: 0.5;">X</div>		
--	--	--

Complied with ~~[50 hr]~~ [100 hr] ~~[Annual]~~

Inspection

Date: 2-29-2012 W/O 201200379
 Tach: 1734.2 A/CTT: 1734.2
 Eng TTLt 486.7 Rt 486.7
 Eng TSMOLt 486.7 Rt. 486.7
 Prop TTLt: 1484.3 Rt: 1484.3
 Prop TSMOLt: 486.7 Rt: 486.7
 Inspector: [Signature] (17)

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~[50 hr]~~ [100 hr] ~~[Annual]~~

Inspection

Date: 4-29-12 W/O 201200758
 Tach: 1923.0 A/CTT: 1923.0
 Eng TTLt 675.5 Rt 675.5
 Eng TSMOLt 675.5 Rt. 675.5
 Prop TTLt: 1673.1 Rt: 1673.1
 Prop TSMOLt: 675.5 Rt: 675.5
 Inspector: [Signature] 28

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with [50 hr] [100 hr] [Annual]

Inspection

Date: 3-30-12 W/O 201200556
 Tach: 1825.9 A/CTT: 1825.9
 Eng TTLt 578.4 Rt 578.4
 Eng TSMOLt 578.4 Rt. 578.4
 Prop TTLt: 1576.0 Rt: 1576.0
 Prop TSMOLt: 578.4 Rt: 578.4
 Inspector: [Signature] (12)

ERAU Maintenance Section

Repair Station No. BF8R0320
Complied with [50 hr] [100 hr] (Annual)


Inspection

Date: 5-30-12 W/O 201200965
 Tach: 2024.5 A/CTT: 2024.5
 Eng TTLt 777.0 Rt 777.0
 Eng TSMOLt 777.0 Rt. 777.0
 Prop TTLt: 1774.6 Rt: 1774.6
 Prop TSMOLt: 777.0 Rt: 777.0
 Inspector: [Signature] (19)

ERAU Maintenance Section

Repair Station No. BF8R0320

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 →					
Complied with [REDACTED] (100 hr) [REDACTED] Inspection Date: <u>7-6-12</u> W/O <u>201201157</u> Tach: <u>873.6</u> A/C TT: <u>2121.1</u> Eng TTLt: <u>873.6</u> Rt: <u>873.6</u> Eng TSMOLt: <u>873.6</u> Rt: <u>873.6</u> Prop TTLt: <u>1871.2</u> Rt: <u>1871.2</u> Prop TSMOLt: <u>873.6</u> Rt: <u>873.6</u> Inspector: <u>[Signature]</u> 14 ERAU Maintenance Section Repair Station No. BF8R0320					
 <div style="display: inline-block; vertical-align: top; margin-left: 20px;"> <p>PRESCOTT, ARIZONA 3700 WILLOW CREEK ROAD MAINTENANCE (928) 777-4339</p> <p>N <u>907ER</u> SN# <u>42.302</u> W/O <u>201201268</u> A/C TACH <u>2186.5</u> A/CTT: <u>2186.5</u> PROP SMOH / TTSN <u>939.0 / 1936.6</u> Inspected this propeller in accordance with the 2000 hour inspection on this aircraft on this date. All work done in accordance with Diamond DA42NG AMM chapter 05-20-00 checklist and AMM -TR-MAM - 42-524 & 380 Maintenance Program Phase 1 checklist. Reference work order, discrepancy sheets and checklists for all details of this inspection.</p> </div>					
DATE: <u>8-9-12</u> SIGN: <u>[Signature]</u> 16 CRS #BF8R0320					
<u>592ER SN# 42.202</u> <u>10-10-12 TACH 2274.6 TTAF 2274.6</u> <u>Removed Propeller From Aircraft - Prop TT 2024.7</u> <u>(RIGHT POSITION) Prop TSMOH 1027.1</u> <u>Installed Propeller LEFT POSITION 591ER SN# 42.081</u> <u>10-10-12 TACH 1995.2 TTAF 1995.2</u> <u>PROP TT 2024.7 TSMOH 1027.1</u> CRS# BF8R0320					
<div style="display: flex; justify-content: space-between;"> END 15 </div>					
Complied with [REDACTED] (200 hr) [Annual] Inspection Date: <u>11-07-12</u> W/O <u>201201882</u> Tach: <u>2051.7</u> A/CTT: <u>2051.7</u> Eng TTLt: <u>198.3</u> Rt: <u>198.3</u> Eng TSMOLt: <u>198.3</u> Rt: <u>198.3</u> Prop TTLt: <u>2081.2</u> Rt: <u>126.3</u> Prop TSMOLt: <u>1083.6</u> Rt: <u>126.3</u> Inspector: <u>[Signature]</u> 78 ERAU Maintenance Section Repair Station No. BF8R0320					
<div style="display: flex; justify-content: space-between;"> CARRIED FORWARD 15 </div>					
TOTAL THIS PAGE TOTAL FROM PREVIOUS SUMMARY TOTAL SINCE MFG.					

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

1-19-13 ^{FOR REPAIR} REMOVED PROPELLER FROM ACFT N591ER, TACH 2151.8, TTAF 2151.8, L/H POSITION (PROP. TT 2181.3, TSMOH 1183.7) *[Signature]* 2
CRS# BF8R0320

FEB 19 2013 TTSN 2181.3 TSO 1183.7
Repair and static balance. Refer to
WO# 9646 and 8130-3 # 31942 for details.

[Signature]

Brooke Warner
Warner Propeller Tucson, AZ
FAA CRS# W59R659N



3-18-13 Installed propeller to DA42NG N591ER S/N 05238
Tach 2254.6 on L/H position. Prop T.T. 2181.3 TSO 1183.7
TTAF 2254.6 15
CRS# BF8R0320 *[Signature]*

Complied with ~~50 hr~~ [100 hr] ~~[Annual]~~
Inspection

Date: ~~6-12-13~~ W/O ~~20130981~~
Tach: ~~2353.3~~ A/C TT: ~~2352.3~~
Eng TTLt 499.9 Rt 499.9
Eng TSMOLt 499.9 Rt. 499.9
Prop TTLt: 2280.0 Rt: 304.5
Prop TSMOLt: 1282.4 Rt: 102.8
Inspector: *[Signature]* 14

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~50 hr~~ [100 hr] [Annual]
Inspection

Date: ~~8-7-13~~ W/O ~~201301264~~
Tach: ~~2452.1~~ A/C TT: ~~2452.1~~
Eng TTLt 598.7 Rt 598.7
Eng TSMOLt 598.7 Rt. 598.7
Prop TTLt: 2328.8 Rt: 403.3
Prop TSMOLt: 1381.2 Rt: 201.6
Inspector: *[Signature]* 20

ERAU Maintenance Section
Repair Station No. BF8R0320

WARNER PROPELLER & GOVERNOR CO.

5102 S. Country Club Rd., Tucson, Az. 85706 FAA CRS # W59R659N

WORK ORDER

9646

CUSTOMER INFORMATION

BILLING		SHIPPING	
Name	Embry Riddle Aeronautical University	Name	Embry Riddle Aeronautical University
Address	3700 Willow Creek Rd	Address	6482 Corradi Way
City/State/Zip	Prescott, AZ 86301	City/State/Zip	Prescott, AZ 86301
Contact person	Joe Tracy	Phone	928-777-4332
Date Received	1/16/13	Date promised	1/25/13

AIRCRAFT INFORMATION

A/C model	DA 42 NG	Engine M/N	Austro E4
A/C Serial	42AC081	N#	591ER
		Engine S/N	N/A

COMPONENT INFORMATION

Item	Propeller	Manufacturer	MT-Propeller	Model #	MTV-6-R-C-F
Serial #	05238	Part #	N/A	TTSN	2181.3
				TTSO	1183.7
Reason for repair	Moderate fod on all blades				
Work to be performed	Repair as required				

The customer authorizes the above repairs to be made to the above components


Customer signature _____

REQUIRED DOCUMENTS

New logbook Maintenance release CofA 337 Origin Other _____

MAINTENANCE INFORMATION

Inspection results	Leading edge damage repairable by filling per S/L 32C and repainting blades		
Additional work required	Rebalance propeller after repair		
Parts installed	1ea MTV-6-R-C-F-RPK, 3ea 8663		
Work performed	Disassemble, clean, inspect and fill leading edges of all blades. Sand and repaint all three blades. Reassemble using new seals, gaskets and hardware as required. set angles, functional test and static balance only.		
S/B, S/L, A/D compliances	S/L 32C		
Maintenance release issued	8130-3	Number	31942
		Date issued	2/19/13
Attachments to this work order	MM20,list,8130-3, usa007		

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 31942	
4. Organization Name and Address: Warner Propeller and Governor Co. LLC, 5102 S. Country Club Rd. Tucson, AZ 85706 FAA CRS W59R659N					
6. Item:	7.	8. Description:	9. Part Number:	10. Eligibility*	11. Quantity:
1		Propeller	MTV-6-R-CF	N/A	1
13. Remarks:		12. Serial/ Batch Number: 05238			
		12. Status/Work: Repair			
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.					
19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation 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:		20. Authorized Signature: 		21. Approval/Certificate No.: W59R659N	
16. Approval/Authorization No.:		22. Name (Typed or Printed): Brooke J. Warner		23. Date (m/d/y): Feb 18, 2013	
17. Name (Typed or Printed):		User/Installer Responsibilities			
<p>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.</p> <p>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/installer before the aircraft may be flown.</p>					

Repair using MT Manual E-220 Revision 53 dated January 2013. Comply with S/L 32C. Refer to work order listed in block 5 for details

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 →					
Complied with 150 hr (100) by (Annual) Inspection			Complied with 150 (Annual) Inspection		
W/O # 201400491	W/O # 201400491		W/O # 201400491		W/O # 201400491
Acttach 2749.4	ACTT: 2749.4		ACTT: 2749.4		Acttach 2749.4 ACTT: 2749.4
Eng TTI	678.1	Rt	678.1	Rt	Eng TTI 797.8 Rt 797.8
Eng TSMO	678.1	Rt	678.1	Rt	Eng TSMO 797.8 Rt 797.8
Prop TTI	502.7	Rt	502.7	Rt	Prop TTI 857.5 Rt 857.5
Prop TSMO	502.7	Rt	502.7	Rt	Prop TSMO 857.5 Rt 857.5
Inspector	[Signature]		[Signature]		Inspector [Signature]
EBAU Maintenance Section Repair Station No. BF8R0320			EBAU Maintenance Section Repair Station No. BF8R0320		



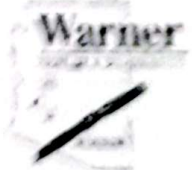
PRESCOTT, ARIZONA
2700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

ISSUER SN# 4L801 W/O # 201400491
ACTTACH 2749.4 ACTT: 2749.4
Propeller SMOH 678.5 Propeller TTSN 2676.1
Removed IMT Propeller P/N # MIV-6B-C-FH/87-179
and S/N# 05238 from the LEFT position
of this aircraft for Repair. All work done in accordance
with Diamond AMM chapter 61-10-00.

DATE: 3-28-14
SIGN: [Signature] 19 CRS #BF8R0320

August 27, 2014
TTSN 2676.1 TSO 00
Overhauled and statically balanced. Refer to
WO# 19574 and 8130-3H# 35009 for details

[Signature]
Brooke J. Warner
Warner Propeller Tucson, AZ
FAA CRS# W58R658N



TOTAL THIS PAGE				
TOTAL FROM PREVIOUS SUMMARY				
TOTAL TIME RUN				
TOTAL TIME SINCE OVERHAUL				

WARNER PROPELLER & GOVERNOR CO.

5102 S. Country Club Rd., Tucson, Az 85706 FAA CRS # W59R659N

WORK ORDER

10574

CUSTOMER INFORMATION

BILLING		SHIPPING	
Name	Embry Riddle Aeronautical University	Name	Embry Riddle Aeronautical University
Address	3700 Willow Creek Rd	Address	3700 Willow Creek Rd
City/State/Zip	Prescott, AZ 86301	City/State/Zip	Prescott, AZ 86301
Contact person	Eric Campbell	Phone	928-777-4336
Date Recieved	04/04/2014	Date promised	08/27/2014

AIRCRAFT INFORMATION

A/C model	DA42	Engine M/N	Austro E-4
A/C Serial	42.081	N#	591ER
		Engine S/N	Not reported

COMPONENT INFORMATION

Item	Propeller	Manufacturer	MT-Propeller	Model #	MTV-6R-C-F/CF187-129
Serial #	05238	Part #	N/A	TTSN	2676.1
				TTSO	1678.5
Reason for repair	Calender timed out.				
Work to be performed	Overhaul and static balance.				

The customer authorizes the above repairs to be made to the above components

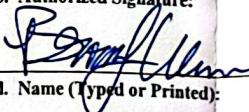
Customer signature _____

REQUIRED DOCUMENTS

New logbook Maintenance release CofA 337 Origin Other _____

MAINTENANCE INFORMATION

Inspection results	No anomalies noted.		
Additional work required	None.		
Parts installed	1ea MTV-6-R-C-FOHK.		
Work performed	Overhaul and static balance.		
S/B, S/L, A/D compliances	S/B 1-AK.		
Maintenance release issued	8130-3H	Number	35039
		Date issued	08/27/2014
Attatchments to this work order	List, MM-20, Form USA 007(2pgs).		

1. Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 35039	
4. Organization Name and Address: Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706		FAA CRS W59R659N			5. Work Order/Contract/Invoice Number: 10574	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-	1		Overhauled	
12. Remarks: Overhauled using MT-Propeller manuals E1290, rev 23, May 06, 2014 and E220, rev. 54, May 21, 2014. Refer to work order listed in box 5 for details. Complied with S/B 1-AK.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Brooke J Warner		14e. Date (dd/mmm/yyyy): 27/AUG/2014	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

MAINTENANCE RECORD

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

SIGNATURE

LINE NUMBER



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 591ER SNH 42302 W/OH 20150088
A/C TACH 3902.1 A/CTT: 3902.1
Propeller SMOH 732.5 Propeller TTSN 732.5
Removed MT Propeller P/N# MTV-6R-CF-187-119
and S/N# 1100 Y8 from the LEFT position
of this aircraft. Installed Propeller P/N# MTV-6R-CF-187-119
and S/N# 05238 with Propeller SMOH Q=0
and Propeller TTSN 1076.1. All work done in accordance
with Diamond AMM chapter 61-10-00.

DATE: 10-8-14
SIGN: [Signature] CRS #BFBR0320

Complied with ESG (100 hr) Annual
Inspection
Date: 12-11-14 W/O 20140612
Tach: 3967.2 A/CTT: 3967.2
Eng TTA 1281.3 RL 1281.3
Eng TSMOL 1281.3 PL 1281.3
Prop TTE 2741.8 RE 2741.0
Prop TSMOL 65.7 RE 1241.9
Inspector: [Signature]
EAAU Maintenance Section
Repair Station No. BFBR0320



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 592ER SNH 42302 W/OH 20150088
A/C TACH 3973.5 A/CTT: 3973.5
Propeller SMOH 91.8 Propeller TTSN 2767.5
Removed MT Propeller P/N# MTV-6R-CF-187-119
and S/N# 05238 from the LEFT position
of this aircraft for Repair. All work done in accordance
with Diamond AMM chapter 61-10-00.

DATE: 1-22-15 19
SIGN: [Signature] CRS #BFBR0320

END

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

WARNER PROPELLER & GOVERNOR CO.

5102 S. Country Club Rd., Tucson, Az. 85706 FAA CRS # W59R659N

WORK ORDER

11148

CUSTOMER INFORMATION

BILLING	SHIPPING
Name <u>Embry-Riddle Aeronautical University</u>	Name <u>Embry-Riddle Aeronautical University</u>
Address <u>3700 Willow Creek Rd</u>	Address <u>3700 Willow Creek Rd</u>
City/State/Zip <u>Prescott, AZ 86301</u>	City/State/Zip <u>Prescott, AZ 86301</u>
Contact person <u>Eric</u>	Phone <u>928-777-4332</u>
Date Recieved <u>2/6/15</u>	Date promised <u>3/19/15</u>

AIRCRAFT INFORMATION


A/C model <u>DA42NG</u>	Engine M/N <u>Austro E-4</u>
A/C Serial <u>42.302</u> N# <u>592ER</u>	Engine S/N <u>N/A</u>

COMPONENT INFORMATION

Item <u>Propeller</u>	Manufacturer <u>MT-Propeller</u>	Model # <u>MTV-6-R-C-F</u>
Serial # <u>05238</u>	Part # <u>N/A</u>	TTSN <u>2767.5</u> TTSO <u>91.4</u>
Reason for repair <u>Leading edge damaged on blade #3</u>	Work to be performed <u>Repair blade damage, replace leading edge, flush and reseal propeller</u>	
The customer authorizes the above repairs to be made to the above components		
Customer signature _____		
REQUIRED DOCUMENTS		
<input type="checkbox"/> New logbook <input checked="" type="checkbox"/> Maintenance release <input type="checkbox"/> CofA <input type="checkbox"/> 337 <input type="checkbox"/> Origin <input type="checkbox"/> Other _____		

MAINTENANCE INFORMATION

Inspection results <u>C-227-A bushing oversize</u>
Additional work required <u>Replace C-227-A bushing with new</u>
Parts installed <u>1ea MTV-6-R-C-FRPK, 1ea P146, 1ea C-227-A</u>
Work performed <u>Disassemble, clean and inspect. Replace leading edge on #3 blade. Repaint and static balance all blades. Replace C-227-A bushing. Reassemble using new seals, set angles, functional test and static balance</u>
S/B, S/L, A/D compliances <u>None</u>
Maintenance release issued <u>8130-3</u> Number <u>35447</u> Date issued <u>3/19/15</u>
Attachments to this work order <u>MM20,list,8130-3,MM27, form USA-007</u>

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 35447	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706		5. Work Order/Contract/Invoice Number: 11148			6. FAA CRS W59R659N	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F	1	05238	Repaired	
12. Remarks: Repaired using MT manual E-220 revision 56 dated February/2015 and E1290 revision 28 dated December/2014. Refer to work order listed in block 5 for details. TSN 2767.5 TSO 91.4						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yy):	14d. Name (Typed or Printed): Dennis N. Warner Jr		14e. Date (dd/mm/yy): 19/MAR/2015	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

PROPELLER SERVICE AND

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

BROUGHT FORWARD

19 MAR 2015
 TTSN 2767.5 TSO 91.4
 Repaired, functional tested and static balanced
 Refer to work order # 11148 and
 8130-3 # 35447

[Signature]
 Dennis Warner
 Warner Propeller Tucson AZ
 FAA CRS# W59P659N

Warner
PROPELLER SERVICE



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N591ER SN# 42,081 W/O # 201500641
 A/C TACH 3224.0 A/CTT: 3224.0
 Propeller SMOH 973.5 Propeller TTSN 1175.2
 Removed MT Propeller P/N # MU-6-A-C-F/CF182-129
 and S/N# 090092 from the RIGHT position
 of this aircraft. Installed Propeller P/N# SAME
 and S/N# 05239 with Propeller SMOH 914
 and Propeller TTSN 2767.5. All work done in accordance
 with Diamond AMM chapter 61-10-00.

Complied with ~~50 hr~~ ~~100 hr~~ [Annual]
 Inspection

Date: 5-13-15 W/O 201500728
 Tach: 3248.9 A/CTT: 3248.9
 Eng TTLt 1395.5 Rt 1395.5
 Eng TSMOLt 1395.5 Rt. 1395.5
 Prop TTLt: 4262.5 Rt: 2792.4
 Prop TSMOLt: 2153.7 Rt: 116.3
 Inspector: [Signature] **14**

ERAU Maintenance Section
 Repair Station No. BF8R0320

DATE: 4-27-15
 SIGN: [Signature] **28** CRS #BF8R0320

Complied with ~~50 hr~~ ~~100 hr~~ [Annual]
 Inspection

Date: 9-30-15 W/O 201501390
 Tach: 3448.7 A/CTT: 3448.7
 Eng TTLt 1595.3 Rt 1595.3
 Eng TSMOLt 1595.3 Rt. 1595.3
 Prop TTLt: 1175.2 Rt: 2992.2
 Prop TSMOLt: 973.5 Rt: 316.1
 Inspector: [Signature] **28**

ERAU Maintenance Section
 Repair Station No. BF8R0320

ERAU Maintenance Section
 Repair Station No. BF8R0320

CARRIED FORWARD

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

MAINTENANCE RECORD

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

SIGNATURE

LICENCE NUMBER

Complied with ~~50 hr~~ (100 hr) ~~201501824~~ Inspection
 Date 12-7-15 W/O 201501824
 Tach 3546.9 A/CTT 3546.9
 Eng TT Lt 1693.5 RT 1693.5
 Eng TSMO Lt 1693.5 RT 1693.5
 Prop TT Lt 1273.4 RT 3090.4
 Prop TSMO Lt 1001.7 RT 4114.3
 Inspector: Alan G. Galt 28
 ERAU Maintenance Section
 Repair Station No. BFBR0320

Complied with ~~50 hr~~ (Annual) Inspection
 Date 3-2-16 W/O 201600333
 Tach 3649.7 A/CTT 3649.7
 Eng TT Lt 1496.4 Rt 1496.8
 Eng TSMO Lt 0.0 Rt 0.0
 Prop TT Lt 1376.2 Rt 3193.0
 Prop TSMO Lt 1124.5 Rt 517.1
 Inspector: Alan G. Galt 28
 ERAU Maintenance Section
 Repair Station No. BFBR0320

Complied with ~~50 hr~~ (100 hr) (Annual) Inspection
 Date 5-3-2016 W/O 201600785
 Tach 3749.5 A/CTT 3749.5
 Eng TT Lt 1596.2 Rt 1596.6
 Eng TSMO Lt 99.8 Rt 99.8
 Prop TT Lt 1476.0 Rt 3293.0
 Prop TSMO Lt 1274.3 Rt 616.9
 Inspector: James H. Galt
 ERAU Maintenance Section
 Repair Station No. BFBR0320



PRESCOTT, ARIZONA
 3701 WILLOW / GREEN ROAD
 MAINTENANCE (928) 777-4335

INSER SN# 42181 W/O# 201601083
 A/TACH 3546.9 A/CTT: 3546.9
 LT ENGTTSN 1693.5 RT ENGTTSN 1693.5
 LT ENGSMDH 1693.5 RT ENGSMDH 1693.5
 LT PROP TTSN 1273.4 RT PROP TTSN 3090.4
 LT PROP SMDH 1001.7 RT PROP SMDH 4114.3
 Inspected this Propeller in accordance with Annual / 2000
 (hour Diamond) DAWZINE Maintenance checklist, AMM
 chapter 15-21-00 latest revision. Reference work order and
 discrepancy sheets for all details of this inspection.
 DATE: 7-27-16
 SIGN: Alan G. Galt 28 CRG #BFBR0320

210

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS
 OR LIFE

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD →				

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

Complied with ~~50 hr~~ (100 hr) ~~Annual~~ Inspection
 Date 9-14-16 W/O 201601488
 Tach 3949.8 A/CTT 3949.8
 Eng TT Lt 1796.5 Rt 1796.9
 Eng TSMO Lt 300.1 Rt 300.1
 Prop TT Lt 1676.3 Rt 3493.3
 Prop TSMO Lt 1474.6 Rt 817.2
 Inspector: Alan Chubb 28
 ERAU Maintenance Section
 Repair Station No. BF8R0320

N591ER S/N# 42081 W/O# 201601812
 A/CTACH: 4029.4 A/CTT: 4029.4
 Propeller TTSN 3572.9 Propeller SMOH 896.8
 Removed MT Propeller P/N # MTU-GR-C-F/CF187-129
 and S/N # 05238 from the RIGHT position
 for (Repair /Overhaul): All work done in accordance with
 Diamond DA42NG Maintenance Manual chapter 61-10-00
 latest revision.

Date 11-2-16
 Sign Alan Chubb 28 CRS #BF8R0320

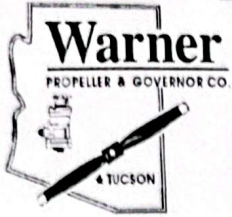
06 DEC 2016
 TTSN 3572 9 TTSO 896.8
 Repaired, resealed, functional tested and
 static balanced. Refer to work order # 12368
 and 8130-3 # 36848.

Brooke Warner
 Warner Propeller Tucson AZ
 FAA CRS# W59R659N



CARRIED FORWARD

TOTAL THIS PAGE				
TOTAL FROM PREVIOUS SUMMARY				
TOTAL SINCE MFG.				



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER #
12368

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER

Name Embry-Riddle Aeronautical University
Address 6482 Corradi Way
City/State/Zip Prescott, AZ 86301
Contact person Parts Department
Phone 928-777-4336

AIRCRAFT

Aircraft model Diamond DA-42
Aircraft serial 42.081
Engine model Austro E4
Registration N591ER
Date received 22 NOV 2016

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	MT Propeller
Model(s)/Part(s)	MTV-6-R-C-F/CF187-129	TTSN	3572.9
Serial(s)	05238	TTSO	896.8
Reason for repair	Leaks, paint peeling from blades.		
Work to be performed	Repair as required.		

MAINTENANCE INFORMATION

Inspection results

Grease leak from blade sockets. Small blade paint peeling.

Additional work required

Reseal propeller, repaint blades.

Parts installed

1ea MTV-6RSK.

Work performed

Repair, reseal, functional test and static balance propeller.

S/B,S/L,A/D compliances

None.

Maintenance release issued

8130-3

Number

36848

Date

06 DEC 2016

Attachments to this work order

MM20,USA007,List,8130-3.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 36848	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706				5. Work Order/Contract/Invoice Number: FAA CRS W59R659N 12368		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF187-129	1	05238	Repaired	
12. Remarks: Repaired, resealed, functional tested and static balanced using MT Propeller manual E-220 revision 57 dated 15 SEP 2015. Refer to work order number listed in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yy):	14d. Name (Typed or Printed): Brooke Warner		14e. Date (dd/mm/yy): 06 DEC 2016	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (528) 777-4339

N 590ER S/N # 42.A1069 W/O # 201700245
A/C TACH: 4386.4 A/CTT: 4386.4
Removed MT Propeller P/N # MTV-GR-C-F/CF187-129
and S/N # 061244 Propeller TTSN 2646.1
Propeller SMOH 177.7 from the LEFT position.
Installed serviceable Propeller P/N # MTV-GR-C-F/CF187-129
and S/N # 05238 with Propeller TTSN 3572.9
and Propeller SMOH 896.8, all work done in
accordance with Diamond DAA2NG Maintenance Manual
chapter 61-10-00 latest revision.

DATE: 2-24-17

SIGN: [Signature] CRS #BF8R0320

Complied with ~~(500 hr)~~ (Annual) Inspection
Date 4-20-17 W/O 201700532
Tach 4511.2 A/CTT 4511.2
Eng TT Lt 1788.3 Rt 2094.0
Eng TSMO Lt 598.0 Rt 598.0
Prop TT Lt 3657.7 Rt 2172.1
Prop TSMO Lt 1021.6 Rt 2015.7
Inspector: [Signature] 28

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~(100 hr)~~ (100 hr) Inspection
Date 3-8-17 W/O 201700299
Tach 4408.7 A/CTT 4408.7
Eng TT Lt 1695.8 Rt 1991.5
Eng TSMO Lt 495.5 Rt 495.5
Prop TT Lt 3595.2 Rt 2069.6
Prop TSMO Lt 919.1 Rt 1913.2
Inspector: [Signature] 28

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~(500 hr)~~ (100 hr) Inspection
Date 6-30-17 W/O 201700298
Tach 4614.2 A/CTT 4614.2
Eng TT Lt 1891.3 Rt 2197.0
Eng TSMO Lt 701.0 Rt 701.0
Prop TT Lt 3800.7 Rt 2275.1
Prop TSMO Lt 1124.6 Rt 2118.7
Inspector: [Signature] 14

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~(500 hr)~~ (Annual) Inspection
Date 9-14-17 W/O 201701346
Tach 4709.5 A/CTT 4709.5
Eng TT Lt 1986.6 Rt 2292.3
Eng TSMO Lt 796.3 Rt 796.3
Prop TT Lt 3896.0 Rt 3606.5
Prop TSMO Lt 1219.9 Rt 374.6
Inspector: [Signature] 28

ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~(100 hr)~~ (100 hr) Inspection
Date 11-30-17 W/O 201701543
Tach 4813.1 A/CTT 4813.1
Eng TT Lt 2090.2 Rt 2395.9
Eng TSMO Lt 899.9 Rt 899.9
Prop TT Lt 3999.6 Rt 3710.1
Prop TSMO Lt 1323.5 Rt 478.2
Inspector: [Signature] 28

ERAU Maintenance Section
Repair Station No. BF8R0320

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

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

Complied with ~~(50 hr)~~ (100 hr) (Annual) Inspection
 Date 3-29-18 W/O 201800515
 Tach 4915.1 A/C TT 4915.1
 Eng TT Lt 2192.2 Rt 2497.9
 Eng TSMO Lt 1001.9 Rt 1001.9
 Prop TT Lt 4101.6 Rt 3812.1
 Prop TSMO Lt 1425.5 Rt 580.2
 Inspector: [Signature] 11

ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~(50 hr)~~ (100 hr) ~~Inspection~~
 Date 5-11-18 W/O 201800903
 Tach 5010.6 A/C TT 5010.6
 Eng TT Lt 2287.7 Rt 2593.4
 Eng TSMO Lt 1097.4 Rt 1097.4
 Prop TT Lt 4197.1 Rt 3907.6
 Prop TSMO Lt 1521.0 Rt 675.7
 Inspector: [Signature] 11

ERAU Maintenance Section
 Repair Station No. BF8R0320

CARRIED FORWARD

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TOTAL SINCE MFG.	

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD →				

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 590EA SN# 42.A1069 W/O# 201801305
A/C TACH 5114.5 A/C TT: 5114.5
LT ENG TTSN 2391.6 RT ENG TTSN 2677.3
LT ENG SMOH 1201.3 RT ENG SMOH 1201.3
LT PROP TTSN 4301.0 RT PROP TTSN 4011.5
LT PROP SMOH 1624.9 RT PROP SMOH 779.6

Inspected this Propeller in accordance with Annual / 1000 hour Diamond DA42NG Maintenance checklist, AMM chapter 05-28-00 latest revision. Reference work order and discrepancy sheets for all details of this inspection.

DATE: JUL 1 2 2018
SIGN: [Signature] 19 CRS #BF8R0320

Complied with ~~(50 hr)~~ (100 hr) (Annual) Inspection
Date 9-20-18 W/O 201801788
Tach 5211.4 A/CTT 5211.4
Eng TT Lt 2488.5 Rt 2794.2
Eng TSMO Lt 1298.2 Rt 1298.2
Prop TT Lt 4397.9 Rt 4108.4
Prop TSMO Lt 1721.8 Rt 876.5
Inspector: [Signature] 20
ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~(50 hr)~~ (100 hr) (Annual) Inspection
Date 11-16-18 W/O 201802254
Tach 5313.8 A/CTT 5313.8
Eng TT Lt 2590.9 Rt 2896.6
Eng TSMO Lt 1400.6 Rt 1400.6
Prop TT Lt 4500.3 Rt 4210.8
Prop TSMO Lt 1624.2 Rt 978.9
Inspector: [Signature] 14
ERAU Maintenance Section
Repair Station No. BF8R0320

Complied with ~~(50 hr)~~ (100 hr) (Annual) Inspection
Date 2-14-19 W/O 201900246
Tach 5415.0 A/CTT 5415.0
Eng TT Lt 2692.1 Rt 2997.8
Eng TSMO Lt 1501.8 Rt 1501.8
Prop TT Lt 4601.5 Rt 4312.0
Prop TSMO Lt 1925.4 Rt 1080.1
Inspector: [Signature] 14
ERAU Maintenance Section
Repair Station No. BF8R0320



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 590EA S/N# 42.A1069 W/O# 201900827
A/C TACH: 5493.4 A/CTT: 5493.4
Propeller TTSN 4679.9 Propeller SMOH 2003.8
Removed MT Propeller P/N # MTU-6R-LF(1874)
and S/N # 05238 from the LEFT position
for (Repair / Overhaul). All work done in accordance with
Diamond DA42NG Maintenance Manual chapter 61-10-00
latest revision.

Date APR 20 2019
SIGN: [Signature] 19 CRS #BF8R0320

TOTAL THIS PAGE					CAR
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

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

SIGNATURE

LICENCE NUMBER

W/O # 201801305
4.5

TTSN 2677.3

MOH 1201.3

TTSN 4011.5

SMOH 779.6

with Annual / 1000
checklist, AMM

reference work order and
this inspection.

19 CRS #BF8R0320

1) Inspection

21802254

5313.8

2890.6

1400.6

4210.8

978.9

2-14

on

320

W/O# 201900827

92.4

SMOH 2003.8

1-62-CF-CE187-1A

Left position

in accordance with

annual chapter 61-10-00

13

CRS #BF8R0320

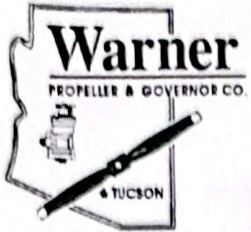
22 OCT 2019
TTSN 4679.9 TTSO 0.0
Overhauled
Refer to work order # 13995
and 8130-3 # 39054

Blum

Brooke Warner
Warner Propeller - Tucson, AZ
FAA CRS# W59R659N

Warner

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS,
OR LIFE



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER #
13995

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER

Name Embry-Riddle Aeronautical University
Address 6482 Corradi Way
City/State/Zip Prescott, AZ 86301
Contact person Flight Department
Phone 928-777-4336

AIRCRAFT

Aircraft model DA42
Aircraft serial 42.AC069
Engine model E4
Registration N590ER
Date received 03 MAY 2019

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	MT Propeller
Model(s)/Part(s)	MTV-6-R-C-F/CF187-129	TTSN	4679.9
Serial(s)	05238	TTSO	2003.8
Reason for repair	Blade tip damage. TBO.		
Work to be performed	Overhaul.		

MAINTENANCE INFORMATION

Blade #1 tip damage. All 3 blades have delaminations in blade cuff areas.

Inspection results

Additional work required Repair blade #1 tip damage. Repair all 3 blade delaminations.



Parts installed 1ea MTV-6OHK, 3ea PU Tape.

Work performed Overhauled, functional tested and static balanced.

S/B,S/L,A/D compliances SL 32R5, SB 01R4.

Maintenance release issued 8130-3 **Number** 39054 **Date** 22 OCT 2019

Attachments to this work order MM20,MM24,MM27,USA007,List,8130-3.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 39054	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706 FAA CRS W59R659N				5. Work Order/Contract/Invoice Number: 13995		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F/CF187-129	1	05238	Overhauled	
12. Remarks: Overhauled using MT Propeller manual E-220 revision 63 dated 30 NOV 2018. Complied with SL 32R5, SB 01R4. Refer to work order number listed in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Brooke Warner		14e. Date (dd/mmm/yyyy): 22 OCT 2019	
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.						

PROPELLER SERVICE AND

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



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 594ER S/N # A2.AC064 W/O # 202000149
 A/C TACH: 951.7 A/C TT: 951.7
 Removed MT Propeller P/N # MTV-6-A-C-F/CF187-129
 and S/N # 080090 Propeller TTSN 2226.8
 Propeller SMOH 624.7 from the Left position.
 Installed serviceable Propeller P/N # MTV-6-R-C-F/CF187-209
 and S/N # 05238 with Propeller TTSN 4679.9
 and Propeller SMOH 0.0, all work done in
 accordance with Diamond DA42NG Maintenance Manual
 chapter 61-10-00 latest revision.

DATE: 1/17/2020
 SIGN: [Signature] **4** CRS #BF8R0320

(This section contains several large diagonal lines, likely indicating that the work was not completed or inspected on these dates.)

Complied with (~~50~~hr) (100 hr) (~~Annual~~) Inspection
 Date Feb 09 2020 W/O 202000377
 Tach 987.1 A/C TT 987.1
 Eng TT Lt 886.2 Rt 51.5
 Eng TSMO Lt 886.2 Rt 51.5
 Prop TT Lt 47153.3 Rt 1147.1
 Prop TSMO Lt 35.4 Rt 1060.1
 Inspector: [Signature]

ERAU Maintenance Section
Repair Station No. BF8R0320



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N 594ER SN# 42.AC064 W/O # 202000939
 A/C TACH 1078.4 A/C TT: 1078.4
 LT ENG TTSN 977.5 RT ENG TTSN 142.8
 LT ENG SMOH 977.5 RT ENG SMOH 142.8
 LT PROP TTSN 4806.6 RT PROP TTSN 5796.7
 LT PROP SMOH 126.7 RT PROP SMOH 1099.2
 Inspected this Propeller in accordance with Annual / 1000
Hour/ MSI Diamond DA42NG Maintenance checklist, AMM
 chapter 05-28-00 latest revision. Reference work order and
 discrepancy sheets for all details of this inspection.

DATE: 26 MAY 2020
 SIGN: [Signature] **28** CRS #BF8R0320

END

TOTAL THIS PAGE	
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TOTAL SINCE MFG.	

MAINTENANCE RECORD

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

SIGNATURE

LICENCE
NUMBER

Complied with ~~(50 hr)~~ (100 hr) ~~(Annual)~~ Inspection
 Date 8-20-20 W/O 202002051
 Tach 1176.9 A/CTT 1176.9
 Eng TT Lt 1076.0 Rt 241.3
 Eng TSMO Lt 1076.0 Rt 241.3
 Prop TT Lt 4905.1 Rt 5295.2
 Prop TSMO Lt 225.2 Rt 1197.7
 Inspector: [Signature]
 ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~(50 hr)~~ ~~(100 hr)~~ (Annual) Inspection
 Date 11-18-20 W/O 202003005
 Tach 1274.4 A/CTT 1274.4
 Eng TT Lt 1173.5 Rt 338.8
 Eng TSMO Lt 1173.5 Rt 338.8
 Prop TT Lt 5002.6 Rt 5392.7
 Prop TSMO Lt 322.7 Rt 1295.2
 Inspector: [Signature] 28
 ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~(50 hr)~~ (100 hr) (Annual) Inspection
 Date 03 June 2021 W/O 202102233
 Tach 1370.4 A/CTT 1370.4
 Eng TT Lt 96.0 Rt 434.8
 Eng TSMO Lt 96.0 Rt 434.8
 Prop TT Lt 5098.6 Rt 3177.5
 Prop TSMO Lt 418.7 Rt 709.1
 Inspector: [Signature] 18
 ERAU Maintenance Section
 Repair Station No. BF8R0320

Complied with ~~(50 hr)~~ ~~(100 hr)~~ (Annual) Inspection
 Date 9-16-21 W/O 202103581
 Tach 1478.1 A/CTT 1478.1
 Eng TT Lt 203.7 Rt 542.5
 Eng TSMO Lt 203.7 Rt 542.5
 Prop TT Lt 5206.3 Rt 3285.2
 Prop TSMO Lt 526.4 Rt 816.8
 Inspector: [Signature]
 ERAU Maintenance Section
 Repair Station No. BF8R0320



PRESCOTT, ARIZONA
 3700 WILLOW CREEK ROAD
 MAINTENANCE (928) 777-4339

N 594ER S/N# 42AL064 W/O# 202200724
 A/CTACH: 1567.5 A/CTT: 1567.5
 Propeller TTSN 5295.7 Propeller SMOH 615.9
 Removed MT Propeller P/N # MTV-6-A-C-F/CF192-129
 and S/N # 05239 from the L/H position
 for (Repair / Overhaul). All work done in accordance with
 Diamond DA42NG Maintenance Manual chapter 61-10-00
 latest revision.

04-11-2022 TSN 5295.7 TSO 615.9

MTV-6-R-O-F/CF187-129 SN 05238

Repair and static balance.

For details refer to
 W/O # 15644 and 2130340791

[Signature]
 Dennis N Warner Jr
 Warner Propeller Tucson, AZ
 FAA CRS# W69R659N

Warner

Date 2-19-22
 Sign [Signature] 7
 CRS #BF8R0320

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
 OR LIFE



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

40701

WORK ORDER #
15644

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER		AIRCRAFT	
Name	ERAU	Aircraft model	DA 42
Address	3700 Willow Creek Rd	Aircraft serial	42AC064
City/State/Zip	Prescott, AZ 86301	Engine model	E4
Contact person	Eric Campbell	Registration	N594ER
Phone	928-777-4336	Date received	03/04/2022

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	MT Propeller
Model(s)/Part(s)	MTV-6-R-D-F	TTSN	5295.7
Serial(s)	05238	TTSO	615.9
Reason for repair	#1 blade has split tip.		
Work to be performed	Repair.		

MAINTENANCE INFORMATION

Inspection results #1 blade tip split approximately .700" wide.

Additional work required Repair tip, guide sleeve beyond limits.


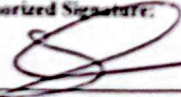
Parts installed 1ea MTV-6-RSK, 1ea C-227-A

Work performed Repair, reseal and static balance.

S/B,S/L,A/D compliances None.

Maintenance release issued 8130-3 Number 40701 Date 04/11/2022

Attachments to this work order MM-20, 8130-3, MM-27, list.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 40701	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706 FAA CRS W59R659N				5. Work Order/Contract/Invoice Number: 15644		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	MTV-6-R-C-F	1	05238	Repaired	
12. Remarks: Repaired using MT manual E-220, rev 68, Dec 9, 2021. For details refer to work order listed in block 5.						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval Authorization No.:	14b. Authorized Signature: 		14c. Approval/Certificate No.: W59R659N	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Dennis N Warner		14e. Date (dd/mmm/yyyy): 11/APR/2022	
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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.</p>						

PROPELLER SERVICE AND

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



PRESCOTT, ARIZONA
3700 WILLOW CREEK ROAD
MAINTENANCE (928) 777-4339

N594ER S/N # 42.AC064 W/O # 202201372
A/C TACH: 1574.9 A/CTT: 1574.9
Removed MT Propeller P/N # MTV-6R-CF-CF187-629
and S/N # 061244 Propeller TTSN 3382.0
Propeller SMOH 913.6 from the RIGHT position.
Installed serviceable Propeller P/N # MTV-6R-CF-CF187-629
and S/N # 05238 with Propeller TTSN 5295.7
and Propeller SMOH 615.9, all work done in
accordance with Diamond DA42NG Maintenance Manual
chapter 61-10-00 latest revision.

I certify that this aircraft, airframe, aircraft engine, propeller or appliance
has been inspected in accordance with an (50 Hour) (100 Hour) (Annual)
inspection and was found to be in airworthy condition.

Complied with ~~(50 hr)~~ (100 hr) (Annual) inspection
Date 4-14-22 W/O 202201372
Tach 1574.9 A/CTT 1574.9
Eng TT Lt 300.5 Rt 629.3
Eng TSMO Lt 300.5 Rt 639.3
Prop TT Lt 5558.5 Rt 5295.7
Prop TSMO Lt 1096.2 Rt 615.9
Inspector: [Signature] ²⁸

DATE: 4-14-22
SIGN: [Signature] ²⁸ CRS #BF8R0320

ERAU Maintenance Section
Repair Station No. BF8R0320

Model: DA42
S/N. 42.AC064
Reg # N594ER



890 Greyback Rd, Summerville, SC 29483

Date: 3/3/2023
Tach: 1675.1

100hr insp completed this date IAW Diamond aircraft DA42 NG AMM, Diamond Aircraft insp checklists, and MT Propeller maintenance manual. NO AD's due at this time. Propeller approved for return to service at this time.
I certify that this propeller was inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

[Signature]
Zachary Braddock 3310705 A&P

Model: DA42
S/N. 42.AC064
Reg # N594ER



890 Greyback Rd, Summerville, SC 29483

Date: 5/5/2023
Tach: 1756.1

100hr insp completed this date IAW Diamond aircraft DA42 NG AMM, Diamond Aircraft insp checklists, and MT Propeller maintenance manual. NO AD's due at this time. Propeller approved for return to service at this time.

I certify that this propeller was inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

[Signature] ^{Annual 28}
Zachary Braddock 3310705 A&P/IA

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS

TO AND FROM 100-10000

SIGNATURE

DATE

Registration No. 100-100000
 Prop No. 100-100-100
 AT Serial Number 100-100
 Airframe 100-100
 W/O 100-100



LIFT MAINTENANCE

Maintenance performed:

Completed with a 100-hour inspection for the 100 hr assembly and inspection. The aircraft and propeller were inspected and found to be in compliance with the 100-hour inspection and all found to be in compliance.

Signature:

[Handwritten Signature]

100-100-100

Date: 10/10/10



100-100-100
 100-100-100
 100-100-100
 100-100-100

DATE: OCTOBER 10, 2010 (MTN 100-100-100) LEFT PROPELLER (SN 100-100) (REG 100-100)
 TOSH 100-100 TOSH 100-100 TSP

100 HOUR INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT SNOW NO ANN AND MT PROPELLER MAINTENANCE MANUAL.

AD'S CHECKED THROUGH 2010 TO NO AD'S DUE AT THIS TIME.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

[Handwritten Signature]
 100-100-100

100-100-100

Registration No. 100-100000
 Prop No. 100-100-100
 AT Serial Number 100-100
 Airframe 100-100
 W/O 100-100



LIFT MAINTENANCE

Maintenance performed:

Completed with a 100-hour inspection for the 100 hr assembly and inspection. The aircraft and propeller were inspected and found to be in compliance with the 100-hour inspection and all found to be in compliance.

Signature:

[Handwritten Signature]

100-100-100

Date: 10/10/10

100-100-100
 100-100-100

100-100-100

PROPELLER SERVICE AND

RIPREP

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	→				

Registration: N594ER
 Propeller SN: 05238
 Motor TTSN 5,79R 7 TSO 1,11R 9
 Serial Number: 42 AC064
 Airframe TT: 2077.90
 WO: B12



Maintenance performed:
 Complied with a 100HR inspection IAW FAR 43 appendix D and referencing the aircraft and propeller MM's. I certify that this propeller has been inspected IAW a 100 Hr. inspection and was found to be airworthy.

Date: 8/7/2024

Signature: *Philip Dickinson*
 Philip Dickinson 4474866 A&P

Model: DA42
 S/N: 42 AC064
 Reg #: N594ER



Date: 1/17/2025
 Tach: 2147.5

100hr insp completed this date IAW Diamond aircraft DA42 NG AMM, Diamond Aircraft insp checklists, and MT Propeller maintenance manual. NO AD's due at this time. Propeller approved for return to service at this time.
 I certify that this propeller was inspected IAW a 100hr inspection and was determined to be in airworthy condition at this time.

Zachary Braddock
 Zachary Braddock 3310705 A&P



3330 AIRPORT LOOP
 SALISBURY, NC 28147
INFO@SOUTHTECAVIATION.COM
 OFFICE: 704-431-6862

DATE: NOVEMBER 3, 2025 | MTV-6-R-C-F/CF187-129 | RIGHT PROPELLER | S/N: 05238 | REG: N594ER
 TACH: 2250.4 HRS. TSMOH: 1291.4 HRS. TTP: 5971.2 HRS.

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA42 NG AMM AND MT-PROPELLER MAINTENANCE MANUAL. NO AD'S DUE AT THIS TIME. AD'S CHECKED THROUGH BIWEEKLY NUMBER 2025-22.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

CHRISTIAN HEDRICK

Christian Hedrick

A&P/IA 3740465

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		