

**Diamond  
DA-40-180**

**N541DS**

**Technical Logs**

**Section 4: Propeller**

# AIRCRAFT TECHNICAL LOGS

Section 4. PROPELLER

PROPELLER LOG

- 1. Make MT- PROPELLER.
- 2. Model MTV - 12 - B.
- 3. Specification No. P- 25NE.
- 4. Date of Manufacture JAN ~~1991~~ 2001
- 5. Hub Serial No. 00196.
- 6. Blades

(a) Design No. 180-17.

(b) Blade Serial Nos.

(i) RE - 12574

(ii) RE - 12575

(iii) RE - 12576.

(iv) \_\_\_\_\_

(v) \_\_\_\_\_

(c) Pitch Setting

(i) Basic \_\_\_\_\_

(ii) High 30° ± 1°

(iii) Low 13° ± 0.2°

(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	→		7	.2	Hours Brought Forward
2-4-04			18.6		Insp. prop per 100hr insp. [Signature] AOP 2641588
2-4-04			18.6		CRED. A.D.S TO DATE. C/W ALL ANNUAL INSP. ITEMS IAW FAR. 43 AP. "D" I CERTIFY THAT THIS PROP. HAS BEEN INSP. IAW A ANNUAL INSP. & WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Alan E. Scher. JA 139423121
3-2-04			19.2		Reinstalled prop after work performed by Sensenich propeller service, torqued & safetied per maintenance manual. see yellow tag & log entry [Signature] AOP 2641588

  
**SENENICH PROPELLER SERVICE, INC.**  
 519 E. Airport Rd, Lititz, PA 17543  
 CRS: QV9R194N

**LOG BOOK ENTRY**  
**DATE: March 1, 2004**

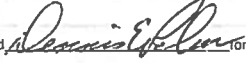
Hub Model: MTY-12-B    HUB S/N: 00190  
 Propeller TTSN: 65.3 / Hub: -0-    Propeller TTSO: N/A / Hub: -0-

Summary of work performed

Installed overhauled hub and complete reseal, to correct grease leak. Set blade angles, checked track and static balance I/A/W manuals E-220 and E-546. Blade serial numbers: RE-12574, RE-12575, RE-12576 ----END---

**THIS IS NOT AN OVERHAUL AND CANNOT BE CONSIDERED AS SUCH**

Pertinent details of this repair or overhaul are on file at this repair station under work order #112696

Signed  for Sensenich Propeller Service, Inc., 519 E. Airport Rd. Lititz, PA 17543

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

LICEN  
NUMBE

*Austrian Logs.*

*Robert Schmidt*

DI  
RC

41588  
FAR  
25  
RTHY

03/01/2004 13.01 FAR 385 (36) 1586 MI-PROPELLER USA 0002/002

1.	
4. O	
6. Item	1
13. F	
Ov	
Year	
TS	
TC	
14. C	
D	
D	
15. A	
17. N	

### MAINTENANCE RELEASE

Part No: MTV-12-B Description: MT PROPELLER Serial No: 00190

**REPAIRED** (describe) Installed overhauled hub and complete reseat to correct grease leak. Set blade angles, checked track and static balanced I/A/W manuals E-220 and E-546.

**OVERHAULED** per the following documents (include revision levels):

- Manuals
- Service Bulletins
- Service Letters
- Service Instructions
- Service Advisories

**THIS IS NOT AN OVERHAUL**

**AND CANNOT BE CONSIDERED AS SUCH**

The following Airworthiness Directives have been complied with:

A.D. \_\_\_\_\_ Method of Compliance: \_\_\_\_\_

Recur at: \_\_\_\_\_ Date or Hours \_\_\_\_\_

Time Since New: 65.3 / Hub: Unknown Time Since Overhaul/Mejor: N/A / Hub: -0-  
 The item(s) identified above were repaired or overhauled (as indicated) and inspected in accordance with current FAA regulations and are approved for return to service. Pertinent details of this repair or overhaul are on file at this repair station under work order # L12696  
 Date March 1, 2004 Signed [Signature]  
 For Repair Station # Q99R194N  
**SENENICH PROPELLER SERVICE, INC.**  
 519 East Airport Road, Lititz, PA 17543

FORM 004

## EASE CERTIFIC FITNESS APPROVAL TAG

Repair Station Q4MR908Y

Eligibility *	10. O
<b>MTV-12-B</b>	

Overhaul Manual E-220.

19.  
 14 CFR 43.9 Return to Serv  
 Other regulations specified  
 Certifies that unless otherwise sp and described in Block 13 was ac Federal Regulations, part 43 and return to service.

20. Authorized Signature:

*[Signature]*

22. Name (Typed or Printed):

**Juergen Zahner, Chief Insp**

#### Responsibilities

It is the responsibility of the user/installer to ensure that the existence of this document alone does not automatically constitute authority to install the part/component.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification by the user/installation before the aircraft may be flown.

ENTRIES. DRAW

*AC*

Blade S/N: RE-12574, RE-125

SIGNATURE

LICENCE NUMBER

*Joseph Almond*

DA R06

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

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

4. Organization Name and Address  
MT-Propeller USA, Inc. FAA Approved Repair Station Q4MR908Y  
1180 Airport Terminal Dr.  
DeLand, FL 32724

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial Number
1	Aircraft Propeller Hub	A-418-D	MTV-12-B	1	

13. Remarks  
Overhauled propeller hub in accordance with W/O# 2323MT and Overhaul Manual E-220.  
Year of Manufacture: 2000  
TSN: unknown hours  
TCDS: P-25NE

14. Certifies the items identified above were manufactured in conformity to:  
 Approved design data and are in a condition for safe operation.  
 Non-Approved design data specified in Block 13.

19.  
 14 CFR 43.9 Return to Service  
 Other regulations specified in Block 13  
Certifies that unless otherwise specified in Block 13 and described in Block 13 was accomplished Federal Regulations, part 43 and in respect to return to service.

15. Authorized Signature:

16. Approval/ Authorization No.:

20. Authorized Signature:

*Juergen Zahner*

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):

Juergen Zahner, Chief Inspector

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 essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country.  
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification regulations by the user/installation before the aircraft may be flown

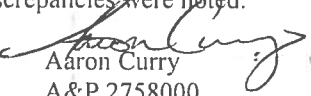
0002/002

MI-PROPPELLER USA

386 636 1536

03/01/2004 13:01 FAA

# PROPELLER SERVICE AND


DATE	TIME RUN	TOTAL TIME SINCE OVERHAUL	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
<b>Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940 612-2044</b>			
BROUGHT FORWARD	Make: MT Propeller Model: MTV-12-B Hub S/N: 00196 3/8/2005 Tach & TSN 130.8. This propeller was inspected within the scope and depth of FAR 43 Appendix D. No discrepancies were noted.		
			 Aaron Curry A&P 2758000

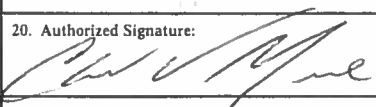
**AERO RESTORATIONS, INC.**  
 Addison Airport, Addison, Texas 75001

**N541DS**  
 Diamond DA40  
 SN: 041

### Propeller Log Entry

October 14, 2005      Hour Meter: 260.4      Removed prop p/n MTV-12-B, s/n 00196, and  
 reinstalled after painting, reference Byam Propeller Service work order #28802 for details. Torqued and  
 safited prop IAW manufacturer's specifications. Ground ran engine. Leak and ops check good.

I CERTIFY THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 91.409 AND/OR REPAIRED IN ACCORDANCE  
 WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO  
 SERVICE ONLY FOR THE WORK PERFORMED ABOVE. FOR FURTHER INFORMATION SEE WORK ORDER #05-2403 ON FILE AT  
 THIS STATION. DATED 10/14/2005. INSPECTED BY JOSEPH K. SHOBE A&P 463119060 

1. Approving National Aviation Authority/Country: <b>FAA/United States</b>		<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: <b>BPS 05-28802</b>	
4. Organization Name and Address: <b>Byam Propeller Serv. Inc.</b> 4001 N. Main Hanger 7 South Ft. Worth, Texas 76106				(tel) 817-625-0161 (fax) 817-626-0009 (tel) 817-625-0006		5. Work Order/Contract/Invoice Number: <b>28802</b>	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	MT Propeller	MTV-12-B	n/a	1	00196	service	
13. Remarks: remove scratches and repaint. -----END-----							
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:		16. Approval/Authorization No.:		20. Authorized Signature: 		21. Approval/Certificate No.: WN1R590K	
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed): <b>CHAD J. MOORE</b>		23. Date (m/d/y): 10-10-05	
<b>User/Installer Responsibilities</b>							
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 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 block 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.							

# MAINTENANCE RECORD

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

SIGNATURE

LICENCE  
 NUMBER

**AERO RESTORATIONS, INC.**  
 Addison Airport, Addison, Texas 75001

**N541DS**  
 Diamond DA40  
 SN: 40041

**Propeller Log Entry**

March 15, 2006 Hour Meter: 333.5 PTSN: 333.5 C/W 100hr inspection IAW Diamond Aircraft DA40-180 Series Maintenance Checklist from Chapter 5-20-00.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IAW A 100HR INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. JOSEPH K. SHOBE A&P.163119060 *[Signature]*

**AERO RESTORATIONS, INC.**  
 Addison Airport, Addison, Texas 75001

**N541DS**  
 Diamond DA40  
 SN: 40041

**Propeller Log Entry**

March 15, 2006 Hour Meter: 333.5 Prop TSN: 333.5 C/W an annual inspection IAW Diamond Aircraft DA40 Series Maintenance Manual Inspection Guide.

I HAVE INSPECTED THIS PROPELLER IAW AN ANNUAL INSPECTION AND DETERMINED IT TO BE IN AIRWORTHY CONDITION.

*[Signature]*

N541DS  
 PROP

DATE: 4/06/07  
 MODEL: MTV-12-B HUB S/N: 00190

TACH: 394.1  
 TTSN: 394.1

REMOVED PROPELLER FOR OVERHAUL AT MT-PROPELLER USA. BLADE S/N'S: 1) RE-12574 2) RE-12575 3) RE-12576. REFERENCE MODERN AERO W/O# 35034

AARON MURPHY *[Signature]*

Modern Aero, Inc. FAA CRS MZER198L

Work Order #: 35034

A/F TT: 394.1

**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

May 2007  
 MTV-12-B/180-17

TSN: 394.1 hours  
 S/N: 00190

Overhauled propeller in accordance with W/O 3607MT and overhaul manual E-220.

Blade S/N: 1) RE-12574 2) RE-12575 3) RE-12576

Blades correspond to S.B. 5 and 8B.

Year of manufacture: 2000

I certify this propeller has been overhauled and determined to be in airworthy condition at this time. Return to service this date, May 11, 2007.

Juergen Zahner, Chief Inspector Q4MR908Y *[Signature]*

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.  
 OR LIFE





# AUTHORIZED RELEASE CERTIFICATE

## FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

3607MT

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:

3607MT

7.	Description	8.	Part Number	9.	Eligibility *	10.	Quantity	11.	Serial/Batch Number	12.	Status/Work
	Aircraft Propeller		MTV-12-B/180-17		DA-40		1		00190		Overhaul

emier /  
0 NW 23r  
1 Landend  
ne: (954)

Remarks:  
Overhauled propeller in accordance with W/O# 3607MT and Overhaul Manual E-220.  
de S/N: 1) RE-12574 2) RE-12575 3) RE-12576  
Propeller conforms to Service Bulletins no. 5 and 8B  
Air of Manufacture: 2000  
Time: 394.1 hours  
Pilot: OS: P25NE

Identifies the items identified above were manufactured in conformity to:

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

Non-Approved design data specified in Block 13.

19.

14 CFR 43.9 Return to Service  
 Other regulations specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

Authorized Signature:

16. Approval/ Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No.:

Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):

23. Date (m/d/y):

Juergen Zahner, Chief Inspector

May 11, 2007

### User/Installer Responsibilities

Important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

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 vital 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.

Items 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.



# MAINTENANCE RECORD

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

SIGNATURE

LICENCE  
NUMBER

PROP MODEL: MTV-12-B  
PROP S/N: 00190  
REG. NO: 541DS  
WORK ORDER:  
2071-05-2008

*2 11 08*  
*Diamond*

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

DATE: 5/28/2008  
A/C TSN: 544.7  
PROP TT: 544.7  
TSPOH: 150.6  
TACH: 544.7

**Prop Entries**

C/W ANNUAL INSPECTION ON THIS PROPELLER IAW FAR 43 APPENDIX D AND INSPECTION PROCEDURES CALLED OUT IN DA40 M/M CHAPTER 5

A&P 2738632  
MECH CHRISTOPHER BARCENAS

SIGN: *Chris Barcenas*

I certify this propeller has been inspected in accordance with an ANNUAL 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: 5/28/2008

SIGNED: *Jack Wesley Dale*  
Jack Wesley Dale, IA: 46667085

Work Order: 2071-05-2008

Printed by EBis 3 (datcomedia.com)

PROP MODEL: MTV-12-B  
PROP S/N: 00190  
REG. NO: 541DS  
WORK ORDER:  
2993-05-2009



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

DATE: 6/3/2009  
A/C TSN: 693.1  
PROP TT: 693.1  
TSPOH: 299  
TACH: 693.1

**Prop Entries**

C/W 100 HR INSPECTION ON THIS PROPELLER IAW FAR 43 APPENDIX D AND INSPECTION PROCEDURES CALLED OUT IN DIAMOND M/M CHAPTER 5.

A&P: 592465919  
MECH: SAM TAVAREZ

SIGN: *Sam Tavarez*

I certify this propeller has been inspected in accordance with an ANNUAL 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: 6/3/2009

SIGNED: *Jonathan Ranney*  
JONATHAN RANNEY, IA: 2773237

Work Order: 2993-05-2009

Printed by EBis 3 (datcomedia.com)



Tel: 954-816-7399 Fax: 954-792-2516 afmohamed@hotmail.com

07-01-2010 N541DS DIAMOND DA-40 S/N: 40-041 ACTT: 859.1 TACH: 859.1 H.M: 1036.7

MT PROPELLER MODEL MTV-12-B/180-17 S/N: 00196 TTSN: 859.1 TSMOH: 465.0 on

05-11-2007

**PROPELLER:**

AD's researched through FAA Issue 2010-13. I certify this PROPELLER has been inspected in accordance with a 100 hour/ANNUAL INSPECTION within the scope & detail of FAR 43 App D and Diamond DA-40 series M.M. Section 05-20-00 inspection outline and was determined to be in AIRWORTHY CONDITION.

*Ameer F Mohamed*

Ameer F Mohamed  
A&P 3270645 IA

# PROPELLER SERVICE AND

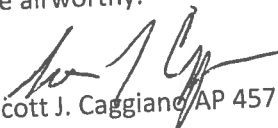
DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORWARD →

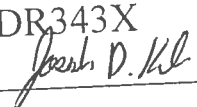
The H Company  
Houston Executive Airport  
1900 Cardiff Rd.  
Brookshire, TX 77423

N541DS Diamond DA40 S/N 40.041 Hobbs 1194.1  
MT Propeller Model MTV-12-B S/N 00190

Removed propeller due to excessive leaking from hub. Propeller resealed by R&D Propeller Service under WO# 12978. Reinstalled propeller and spinner. Run up and leak check OK. Completed 100 hr/annual inspection IAW Diamond DA 40 maintenance manual, MT Propeller service manual and FAR 43 App D and found this propeller to be airworthy.

  
Scott J. Caggiano AP 457571943 8/1/2011

Propeller S/N 00190  
has been repaired this date 07/18/11  
I/A/W manual(s) \_\_\_\_\_  
E-220, E-880, E-1290

under W/O # 12978. The mechanic making the installation must c/w 14 CFR Part 43.9.  
R & D Propeller Service, Inc.  
2528 Hatfield Road, Pearland, Texas 77581  
CRS# R5DR343X  
SIGNED 

CARRIED FORWARD

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

1. Approving National Aviation Authority / Country: FAA/UNITED STATES	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 12978
--	---	-----------------------------------

4. Organization Name and Address: R&D PROPELLER SERVICE, INC. 2528 Hatfield Road - Pearland, Texas 77581		5. Work Order/Contract/Invoice No. RSDR343X 12978
--	--	---

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial / Batch Number:	12. Status / Work:
1	Propeller	MTV-12-B	N/A	1	00190	REPAIRED

13. Remarks:  
Repaired IAW MT Manuals E-220-, E-880, E-1290  
Reseal Propeller

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: <i>Joseph D. Kohler</i>
17. Name (Typed or Printed):	22. Name (Typed or Printed): Joseph D. Kohler
18. Date (m/d/y): 00/00/00	23. Date (m/d/y): Jul 18, 2011
16. Approval/Authorization No.:	21. Approval/Certificate No.: RSDR343X

**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 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/installer before the aircraft may be flown.

1. Approving National Aviation Authority / Country:  
FAA/UNITED STATES

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

3. Form Tracking Number:  
13511

4. Organization Name and Address:  
R&D PROPELLER SERVICE, INC.  
2528 Hatfield Road - Pearland, Texas 77581

R5DR343X

5. Work Order/Contract/Invoice No.  
13511

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial / Batch Number:	12. Status / Work:
1	propeller	MTV-12-B	n/a	1	00196	OVERHAULED

13. Remarks:

Overhauled IAW MT Propeller manuals E-220; E-880; E-1290 installed new blades due to delamination issues  
Blade model # 180-17  
Blade serial # PF9532; PF9563; PF9564  
Airworthiness Directive 2007-26-13  
Service Bulletin 01AH  
Service letter 5; 9A; 14D; 18C; 20A; 21B; 23C; 24A; 27A; 35A; 43; 38A  
Service Instruction 3; 22; 23A; 24

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation.  
 Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other 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:	16. Approval/Authorization No.:	20. Authorized Signature:	21. Approval/Certificate No.:
<i>[Signature]</i>		<i>[Signature]</i>	R5DR343X
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed):	23. Date (m/d/y):
	00/00/00	Alan Paul	Mar 23, 2012

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.  
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.  
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

\*Installer must cross-check eligibility with applicable technical data.

R & D Propeller Service

2528 Hatfield Road  
Pearland, TX 77581

# Work Order

Date	Invoice #
3/23/2012	21591

<b>Bill To</b>
Roger S. Battistoni MultiCorp Aviation 17734 Glenapp Drive Land O Lakes, FL 34638 954.609.8825

<b>Ship To</b>

P.O. Number	W. O. #
	13511

Item Code	Quantity	Description
Labor		1 each MT Propeller - Overhauled
A-380-B	3	Model # MTV-12-B
A-866-D	3	Serial # 00196
B-174	81	Labor
C-047-104	1	Pitch Change Block 2012
C-048-B	3	SST Hub Insert 2012
C-057-78R	81	Separator 2009
C-060-B	1	Piston Seal 2009
C-061-A/B/C	1	O-Ring 2011
C-076-A	3	O-Ring 2010
C-215	6	Stud 2011
C-227(A)	6	Castle Nut 2011
C-304-6	6	Washer 2011
C-312-12	3	Retaining Ring 2012
C-336-5	2	Bushing 2012
C-342	6	Bolt 2011
C-348	12	Screw 2012
C-350-750	6	Washer 2011
C-357-343	12	Washer 2012
A-402-A	75	Ball Bearing 2009
Sublet Labor/Repairs	6	Pin 2011
Freight	1	Back Up Ring 2011
	3	Guide block 2012
		Labor from outside vendor, new blades, exchanged
		Freight

Phone #	Fax #	E-mail	Web Site
281-485-4400	281-485-3006	rpool@rdpropeller.com	www.rdpropeller.com

# 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 <span style="font-size: 2em;">→</span>					
1/12/2012	TACH		1089.8		Remove prop for overhaul A&P 3410335 Phil Leeder

Propeller S/N 00196 has been overhauled  
 this date 3-23-12 I/A/W manual(s)  
E-220; E-880; E-1290

under W/O # 13511. The mechanic making  
 the installation must c/w 14 CFR Part 43.9.  
 R & D Propeller Service, Inc.  
 2528 Hatfield Rd., Pearland, TX 77581  
 FAA CRS# R5DR343X  
 Signed Alan Paul

03/20/2012 TACH 1089.8 TTP TSPOH 0.0 INSTALLED PROP AND RAN ENGINE CHECKED PROP  
 FOR SECURITY AND CONDITION. RAN ENGINE AND CHECKED PROP FOR FUNCTION.  
 COMPLETED ANNUAL INSPECTION AND AD RESEARCH. THIS PROP IS APPROVED FOR RETURN  
 TO SERVICE.  
 A&P/A 3410335  
 PHILLIP LEEDER *Phil Leeder*

Shearer Aviation Services, Inc.  
 LOG ID# 2794 20-March-2013  
 N541DS S/N 40041 ~~AE~~ DA40  
*DIAMOND*

N541DS PROPELLER  
 MARCH 20, 2013 TACH 1188.1 TOTAL TIME 1188.1 TSMOH 98.3

REPAINTED FACE OF PROPELLER BLADES. END. *Jay Shearer*

MARCH 20, 2013 TACH 1188.1 TOTAL TIME 1188.1 TSMOH 98.3

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

TOTAL *Jay Shearer 20162380884*  
 A&P 167380884 JAY SHEARER

TOTAL FROM PREVIOUS SUMMARY				
TOTAL SINCE MFG.				



# MAINTENANCE RECORD

Shearer Aviation Services, Inc.  
LOG ID# 3148 01-March-2014  
N541DS S/N 40041 DA40

SEQUENCE  
NUMBER

N541DS PROPELLER  
MARCH 1, 2014 TACH 1300.5 TOTAL TIME 1300.5 TSMOH 210.7

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

*Jay Shearer #A167380884*  
A&P167380884 JAY SHEARER

WOLD AVIATION  
2415 MILFORD SQUARE PIKE  
QUAKERTOWN, PA. 18951  
215-536-9463

3-7-15 TACH 1433.8 TT 1433.8 TSMOH 344.0 N-541DS  
INSPECTED PROPELLER. ALL AD'S CHECKED THRU THIS DATE.  
I CERTIFY THAT THIS PROPELLER WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P254881340IA

*Allen M. Wold*

*1-2016 Removed Prop AND SENT OUT  
FOR GREASE LEAKING FROM HUB  
Allen M. Wold A&P 254881340*

WOLD AVIATION  
2415 MILFORD SQUARE PIKE  
QUAKERTOWN, PA. 18951  
2-17-16 TACH 1573.8 N-541DS  
REINSTALLED PROPELLER, TORQUED AND SAFETYWIRED  
WITH .041 WIRE. LEAK AND OPS CHECKED GOOD ON  
ENGINE RUN UP. *Allen M. Wold* A&P254881340

WOLD AVIATION  
2415 MILFORD SQUARE PIKE  
QUAKERTOWN, PA. 18951  
215-536-9463  
3-25-16 TACH 1582.5 TT 1582.5 TSMOH 492.7 N-541DS  
INSPECTED PROPELLER. ALL AD'S CHECKED THRU THIS DATE.  
I CERTIFY THAT THIS PROPELLER WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P254881340IA

*Allen M. Wold*

MAIN

Shearer Aviatc  
LOG ID# 3148  
N541DS S/A

N541DS PROPEL  
MARCH 1, 2014

I CERT  
DETERMINED TO

*Jim E*  
A&P167980884

WOLD AVIATION  
2415 MILFORD  
QUAKERTOWN  
215-536-9463  
3-7-15 TAC  
INSPECTED  
I CERTIFY  
INSPECTIO

MAINTENANCE RELEASE

Part No. MIV 12-4 180 17  
Description: MIPROPELLER  
Serial No: 00190  
was  REPAIRED (describe) Disassembled, visually inspected, dressed and painted blades, resealed  
Checked track angles and balance.

OVERHAULLED per the following documents (include revision levels):  
Manuals  
Service Bulletins  
Service Letters  
Service Instructions  
Service Advisories

**THIS IS NOT AN OVERHAUL  
AND CANNOT BE CONSIDERED AS SUCH**

The following Airworthiness Directives have been complied with:  
AD Method of Compliance  
N/A

Recurs at  
Date or Hours

Time Since New: Brought forward  
Time Since Overhaul Major: Brought forward  
The item(s) identified above were repaired or overhauled (as indicated) and inspected in accordance with current FAA regulations and are approved for return to service. Pertinent details of this repair or overhaul are on file at this repair station under work order # 127207  
Date February 12, 2016

Signed: *David P. Rimm*  
For Repair Station #QV9R194N

SENSITIVE PROPELLER SERVICE, INC.  
5107 East Avron Road, Lititz, PA 17543

FORM 004

*Allen M. ...*

1-2016 Removed Prop AND SENT OUT  
FOR grease leaking from Hub

*Allen M. ... A&P 254881340*

WOLD AVIATION  
2415 MILFORD SQUARE PIKE  
QUAKERTOWN, PA. 18951  
2-17-16 TACH 1573.8 N-541DS  
REINSTALLED PROPELLER, TORQUED AND SAFETYWIRED  
WITH .041 WIRE. LEAK AND OPS CHECKED GOOD ON  
ENGINE RUN UP. *Allen M. ...* A&P254881340

WOLD AVIATION  
2415 MILFORD SQUARE PIKE  
QUAKERTOWN, PA. 18951  
215-536-9463  
3-25-16 TACH 1582.5 TT 1582.5 TSMOH 492.7 N-541DS  
INSPECTED PROPELLER. ALL AD'S CHECKED THRU THIS DATE.  
I CERTIFY THAT THIS PROPELLER WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL  
INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P254881340IA

*Allen M. ...*

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.  
OR LIFE



Lancaster Airport  
 519 East Airport Road Lititz, PA 17543  
 (800) 462-3412 and (717) 560-3711  
 Fax: (717) 560-4354

# Invoice

Invoice # L27297  
 Date: February 12, 2016

**Bill To:**  
 Wold Aviation Maintenance  
 2415 Milford Square Pike  
 Quakertown, PA 18951

**Ship To:**

N541DS Diamond DA 40  
 MT Propeller Model:MTV-12-B/180-17  
 Blade Serial Number:PF-9562, PF-9563, and PF-9564.  
 Hub Serial Number:00190

**Comments or Special Instructions:** Disassembled, visually inspected, dressed and painted blades, resealed, checked track, angles and balance.

P.O. Number		Ship VIA	Ship Date	Terms
		Our Delivery		C.O.D.
QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	
1	Labor	\$ 1,308.33	1,308.33	
1	Parts Kit	670.33	670.33	
1	Piston	225.00	225.00	
1	FBO Discount	(220.36)	(220.36)	
1	Pickup and delivery	100.00	100.00	
<b>Total</b>			<b>\$ 2,083.30</b>	

Make all checks payable to: Sensenich Propeller Service, Inc.  
 If you have any questions concerning this invoice, contact (800) 462-3412.

**Thank You For Your Business!**

WOLD AVIATION

2415 MILFORD SQUARE PIKE  
QUAKERTOWN, PA 18951

# Invoice

Date	Invoice #
2/17/2016	185

Bill To
TOM BOWE

P.O. No.	Terms	Project

Quantity	Description	Rate	Amount
3.5	REMOVED AND REINSTALLED PROPELLER	85.00	297.50
1	PROPELLER WORK	2,083.30	2,083.30
<i>pd in full A. Wold</i>			

Thank you for your business.	<b>Total</b>	\$2,380.80
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