

070368

AIRCRAFT TECHNICAL LOGS

Section 4. PROPELLER



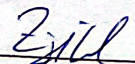
GOOD TO GO.

7605 Bath Road
Mississauga, Ontario
Canada, L4T 3T1

Jasper Megelink
Manager, Production and
Technical Support

office: 905-677-8747
toll free: 800-268-9900
fax: 905-677-5935
cell: 905-867-1240
jmegelink@hopeaero.com

Propellers • Wheels • Brakes • NDT Services

1. Approving Competent Authority / Country Zuständige Genehmigungsbehörde/Staat LUFTFAHRT – BUNDESAMT / Germany		2. AUTHORISED RELEASE CERTIFICATE Autorisierte Freigabebescheinigung EASA FORM 1 EASA Formblatt 1				3. Form Tracking Number Lfd. Formularnummer <div style="border: 1px solid black; padding: 5px; text-align: center;"> RECEIVED 1560/07 AUG 02 2007 0800119 </div>	
4. Approved Organisation Name and Address: Name und Anschrift des genehmigten Betriebes MT-Propeller Entwicklung GmbH Airport Straubing – Wallmühle, D-94348 Atting, Germany				5. Work Order/Contract/Invoice Arbeitsauftrag/Vertrag/Lieferschein 20700069			
6. Item Lfd. Nr.	7. Description Beschreibung	8. Part No. Teile-Nr.	9. Eligibility(*) Verwendbarkeit(*)	10. Quantity Anzahl/Menge	11. Serial/Batch-No. Werk-/Los-Nr.	12. Status/Work Zustand/Arbeiten	
1	MTV-Propeller	MTV-12-B/183-59b	Lyc. IO-360-M1A	1	070368	"MANUFACTURED"	
13. Remarks Bemerkungen New Propeller - propeller is disassembled for shipping - Blades: 1: YD-29752, 2: YD-29753, 3: YD-29754 Year of construction: 2007, TSN: 00:00 hrs. The propeller conforms with the FAA TCDS-No. P25NE							
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 checked="" type="checkbox"/> Part-145A.50 Release to Service Freigabebescheinigung gem. Teil-145A.50 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-/Genehmigungs-nr.	
17. Name Name Alois Zirngibl / 6419		18. Date (d/m/y) Datum (T/M/J) 31. Mai 07		22. Name Name		23. Date (d/m/y) Datum (T/M/J)	

2 ENTWICKLUNG GmbH

1-12-B/183-59b

P-34

070368

183-59b

~~YD-29752~~

~~YD-29753~~

~~YD-29754~~

3 333

0110

ing national aviation authority/country

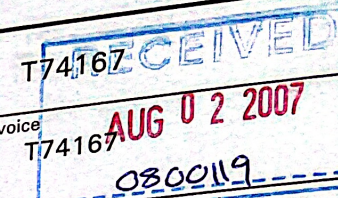
ransport Canada

ved organization name and address

Hope Aero Propeller & Components Inc., www.hopeaero.ca
2283 Anson Drive, Mississauga, Ontario, Canada. L5S 1G6

AUTHORIZED RELEASE CERTIFICATE
TCCA 24-0078

3. Form tracking No.



5. Work order/contract/invoice

T74167

7. Description

MT Propeller

8. Part No.

MTV-12-B

9. Eligibility*
N/A

10. Qty.
1

11. Serial/batch No.
070368

12. Status/work
Inspected

arks

SA Part-145 Approval Certificate Reference Number EASA.145.7036

ustomer's Order # 213335.

sembled & Inspected as per MT Propeller Overhaul Manual and Parts List: 61-12-20 (E-220), Issue 39; Standard Practices Manual: 61-18-08 (E-808), Issue 5; &
osite Blade Overhaul Manual: 61-1290 (E-1290), Issue 3.

v Propeller. Propeller Total Time Since New: 0.0 Hours.

les installed using P-890 Blade Retention System after shipment, bench checked.

es that the items identified above were manufactured in conformity to:

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

☐ Non approved design data specified in block 13.

19.

☒ CAR 571.10 Maintenance release.

☐ Other regulations specified in block 13.

Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.

ized signature

N/A

16. Certificate/Approval ref. No.
N/A

20. Authorized signature

21. Certificate/Approval ref. No.
/ AMO 53-91



N/A

18. Date (dd/mm/yyyy)
N/A

22. Name

Terry Hope

23. Date (dd/mm/yyyy)
12/Jul/2007

3 * Installer must cross-check eligibility with approved data

ument does not constitute authority to install the part.

re installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or
e from the airworthiness authority specified in block 1.

nts 14 and 19 do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry,
aircraft may be flown.

PROPELLER LOG

1. Make MT-PROPELLER ENTWICKLUNG GmbH
2. Model MTV-12-B/183-59b
3. Specification No. P-34
4. Date of Manufacture _____
5. Hub Serial No. 070368
6. Blades
 - (a) Design No. 183-59b
 - (b) Blade Serial Nos.
 - (i) XK 27759 ~~YD-29752~~
 - (ii) XK 27760 ~~YD-29753~~
 - (iii) XK 27761 ~~YD-29754~~
 - (iv) _____
 - (v) _____
 - (c) Pitch Setting
 - (i) Basic _____
 - (ii) High _____
 - (iii) Low _____
 - (iv) Reverse _____

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

TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMARY
TOTAL SINCE MFG.

REPAIRS, ADJUSTMENTS, MODIFICATIONS

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

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

MAINTENANCE RECORD

2

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 Aug 5/11			260	9	
Aug 15/12	36	1	297	0	
Sept 3/13			316	3	
Sept 3/13			316	3	
Apr 15/14					
					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					

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

SIGNATURE

LICENCE NUMBER

August 05, 2011

TTSN: 260.9

C-GLXL

A 100 hour/ annual inspection has been carried out IAW CAR 625 B & C and the Diamond DA 40 Maintenance Manual.

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

Clarence Beintema
348208

August 15, 2012

TTSN: 297.0

C-GLXL

A 100 hour/Annual inspection has been carried out IAW CAR 625 B & C and the Diamond DA 40 maintenance manual.

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

Clarence Beintema
Clarence Beintema 348208

September 3rd, 2013

TTSN: 316.3

C-GLXL

A 100 hour/Annual inspection has been carried out IAW CAR 625 B & C and the Diamond DA 40 maintenance manual.

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

Ryan Gomes
Ryan Gomes 832884

April 15, 2014

TTSN: 324.1

C-GLXL

A 100 hour Annual inspection has been carried out IAW CAR 625 appendix B and C, and the Diamond DA 40 Maintenance Manual.

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

Clarence Beintema
Clarence Beintema 348208

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

E RUN		TOTAL TIME SINCE OVERHAUL		CREDIT ADVISE ON INSTALLATIONS, INSPECTIONS, <u>NOTE:</u> USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
MIN.	HRS.	MIN.		
→				

E RUN		TOTAL TIME SINCE OVERHAUL		CREDIT ADVISE ON INSTALLATIONS, INSPECTIONS, <u>NOTE:</u> USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
MIN.	HRS.	MIN.		
→				

CARRIED FORWARD

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

SIGNATURE

LICENCE
NUMBER

KOVACHIN
Aircraft Services Ltd.

Tel: (905) 335-8759 Fax: (905) 335-8760
e-mail: kasshop@spectrualairways.com
Over 40 years of aircraft experience

Date: May 5, 2015

Aircraft Registration: C-GLXL

Aircraft Model: DA 40

Aircraft Total Time: 35

Engine Time: 357.4

WO#: 8752

Make: Diamond

Aircraft S/N: 40.839

Total Time Since last Inspection: 33.3

Propeller Time: 357.4

Work accomplished:

- Accomplished annual inspection in accordance with CAR Chapter 625 appendix B & C
- Annual inspection carried out IAW diamond AMM section 05-28-02 Doc.06.02.01 Rev. 7
- Accomplished differential compression check: 1/78/80 2/75/80 3/78/80 4/77/80
- Changed oil & filter. Oil filter cut open, no contaminants found. 6 qts Phillips 20W50 oil installed.
- Oil sample taken for analysis
- Tempest AA48110-2 oil filter installed
- Removed winter kit from lower cowl
- Reattached anchor nut located inside RH axle nut
- Replaced RH main wheel tube and tire
- Replaced all brake linings
- Replaced stall warning red
- Exhaust inspected IAW powerflow systems inc. inspection sheet PFS-15250-00 Rev E
- Accomplished AD CF80-03R2 Exhaust type cockpit/cabin heaters (mufl) inspection. No discrepancies found.
- Accomplished AD 2011-26-04 Externally mounted fuel injection lines. No discrepancies found.
- Accomplished compass swing:

For	000	030	060	090	120	150	180	210	240	270	300	330
Steer	000	031	062	093	121	150	180	209	239	268	299	330
- Removed ELT for recertification
- Accomplished annual fire extinguisher inspection.
- Accomplished annual tachometer check.

*** Next annual inspection due before May 31, 2016 ***


Signature of AME

335-92
6
/ALCO

AMO 335-92

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



KOVACHIK
Aircraft Services Ltd.

Tel: (905) 335-8759 Fax: (905) 335-8766
e-mail: kasahop@spectrumanairways.com
Over 40 years of aircraft experience

Date: June 3, 2016

Aircraft Registration: C-GLXL

Aircraft Model: DA 40

Aircraft Total Time: 385.2

Engine Time: 385.2

WO#: 8959

Make: Diamond

Aircraft S/N: 40.839

Total Time Since last Inspection: 27.8

Propeller Time: 385.2

Work accomplished:

- Accomplished annual inspection in accordance with CAR Chapter 625 appendix B & C
- Annual inspection carried out IAW diamond AMM section 05-28-02 Doc 86.02.01 Rev. 7
- Accomplished differential compression check: 17/8R0 27/8R0 37/8R0 47/8R0
- Changed oil & filter. Oil filter cut open, no contaminants found. 8 qts Phillips 20W50 oil installed
- Oil sample taken for analysis
- Tempstat AA48110-2 oil filter installed
- Adjusted alternate air control
- Exhaust inspected IAW powerflow systems inc. inspection sheet PFS-15250-0 Rev E
- Accomplished AD CF90-03R2 Exhaust type cockpit/cabin heaters (muff) inspection. No discrepancies found.
- Accomplished AD 2015-19-07 Externally mounted fuel injection lines. No discrepancies found.
- Accomplished compass swing:
Fer 000 030 060 090 120 150 180 210 240 270 300 330
Steer 000 031 061 091 121 149 180 209 239 269 299 330
- Removed ELT for recertification
- Accomplished annual fire extinguisher inspection.
- Accomplished annual tachometer check.

*** Next annual inspection due before June 30, 2017 ***


Signature of AME

335-92
6
INSP

AMO 335-92

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

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

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

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.

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

Diamond
AIRCRAFT AUTHORIZED SERVICE CENTRE

XU Aviation Ltd.
2537 Huron St.
London, Ontario
Canada N5V 5J1

W/O: 162
Type: MTV-12-b/183-59b
S/N: 070368
Date: July 1 2017
TTSN: 430.9

- Annual inspection carried out IAW CARs 625 appendix B&C

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



GOOD TO GO.

Hope Aero Propeller & Components Inc.

7605 Bath Road, Mississauga, ON L4T 3T1 Canada

T | 905-677-8747 TF | 800-268-9900

F 905-677-5935

hopeaero.com

Approved Maintenance Organization No. 53-91

Overhauled as per MT PROPELLER Overhaul Manual E-220/61-12-20 Revision 61. Details covered on Work Order P2295. Diameter 72.1"

The Maintenance Described has been performed in accordance with the applicable standards of Airworthiness

GoodToGo@hopeaero.com

TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMARY
TOTAL SINCE MFG.

CARRIED FORWARD

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

SIGNATURE

LICENCE
NUMBER

- Performed the following:

Propeller Overhauled.

Overhauled blades installed due to MT S/L 22K. Blade Serial Numbers Installed XK27759, XK27760, XK27761.



Date: December 4, 2017
Model: DA40
Engine TTSN: 437.7
Total time since last inspection: 4.5

Reg: C-GLXL
T.T.S.N: 437.7
Prop TTSN:0.0

- Prop removed and sent to Hope Aero for overhaul
- Prop re-installed, torqued, lock wired, and prop tracked
- Run-up carried out with no faults found

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

Signature: K. Deacon 17834394



PROPELLER SERVICE AND

MAINTENANCE RECORD

5

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



Date: Aug 1, 2018
Model: DA40
Engine TTSN: 676.9
Total time since last inspection: 15.4

Reg: C-GLXL
TTSN: 446.3
Prop TTSN: 10.9

> Annual inspection carried out IAW CAR 625 appendix B & C

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

Signature: Kordum M834394



Date: Oct 18, 2019
Model: DA40
Engine TTSN: 447.9
Total time since last inspection: 1.6

Reg: C-GLXL
TTSN: 447.9
Prop TTSN: 12.5

> Annual inspection carried out IAW CAR 625 appendix B & C

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

Signature: Kordum M834394



Date: July 1, 2021
Model: DA40
Engine TTSN: 451.2
Total time since last inspection: 3.3

Reg: C-GLXL
TTSN: 451.2
Prop TTSN: 15.8

> Annual inspection carried out IAW CAR 625 appendix B & C

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

Signature: Kordum M834394

CARRIED FORWARD

TOTAL THIS PAGE
TOTAL FROM PREVIOUS SUMMARY
TOTAL SINCE MFG.

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

SIGNATURE

LICENCE NUMBER

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

Work Order Task

Page: 1 of 1

HOPE AERO PROPELLER & COMPONENTS, INC.

Report Date: 01/12/2017

Work Order #: P2295

Model: MTV-12-B/183-59B

Serial Numbers: 070368

THE FOLLOWING WERE COMPLIED WITH ON WORK ORDER P2295

Task: MT AD 2006-0345 Ver.0

NOT APPLICABLE DUE TO SERIAL NUMBER, OR PROPELLER HAS BEEN OVERHAULED SINCE 1994.

Task: MT AD 2007-26-13 Ver.0

AMENDMENT 39-14502. NOT APPLICABLE DUE TO SERIAL NUMBER, OR PROPELLER HAS BEEN OVERHAULED SINCE 1994.

Task: MT S/B 24 Ver.0

PU TAPE NOT INSTALLED ON BLADE.

Task: MT S/L 5 Ver.1

HIGHER STRENGTH CORROSION RESISTANT HARDWARE INSTALLED.

Task: MT S/L 9A Ver.1

LESS ABRASION AND LESS FRICTION BEARINGS INSTALLED.

Task: MT S/L 14D Ver.0

C-057-() BLADE SEALS INSTALLED IN ACCORDANCE WITH SERVICE INSTRUCTION 23.

Task: MT S/L 17C Ver.1

1997 AND NEWER PROPELLERS ASSEMBLED WITH UPDATED HUB, CHECK NUTS, SPRING GUIDE, FRONT PLATE AND PISTON GUIDE ROD.

Task: MT S/L 21B Ver.0

BEARINGS GREASED WITH HIGHER VISCOSITY MT 2 PROPELLER GREASE.

Task: MT S/L 23C Ver.0

A-418-D SLEEVED HUB WITH A-866-D INSERTS, C-057-78 BLADE O-RINGS AND MT-2 GREASE INSTALLED.

Task: MT S/L 24A Ver.0

LOW/HIGH PITCH STOP NUTS TORQUE INCREASED.

Task: MT S/L 26A Ver.0

FRONT PLATE MACHINED FOR VENTILATION BORE.

Task: MT S/L 32 Rev.3 Ver.0

BLADES INSPECTED AND REPAIRED AS REQUIRED. ALL NATURAL COMPOSITE BLADES. OPERATION TIME BETWEEN OVERHAUL. REPAIR BLADES IN ACCORDANCE WITH SERVICE LETTER.

Task: MT S/L 35A Ver.0

SEALING SURFACES CHECKED FOR A SMOOTH CONTACT AREA.

Task: MT S/L 38 REV.2

P890-() PRELOAD SYSTEM INSTALLED AS PER SERVICE LETTER.

Task: MT S/L 47 Ver.0

BLADE SEALS INSTALLED.

Task: MT S/L 65

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

PER

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



1. Approving Civil Aviation Authority/Country TRANSPORT CANADA		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking Number: P2295 - 1	
4. Organization's Name and Address HOPE AERO PROPELLER & COMPONENTS, INC. 7605 BATH ROAD, MISSISSAUGA, ON, CANADA goodtogo@hopeaero.com				5. Work Order/contract/Invoice N/A	
6. Item: 1	7. Description PROPELLER, 3-BLADE	8. Part Number MTV-12-B/183-59B	9. Quantity 1	10. Serial/Batch Number: 070368	11. Status/Work: OVERHAULED

12. Remarks:

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

Performed the following:
Propeller Overhauled.
Overhauled blades installed due to MT S/L 22K. Blade Serial Numbers Installed XK27759, XK27760, XK27761.

See other side of this form for Hope Aero's Airworthiness Directives and Service Bulletins compliance form.

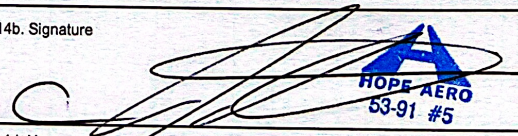
Propeller Time Since Overhaul: 0.00 Hours

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

14a. ☒ CAR 571.10 Maintenance Release.

☐ Other regulations specified in Block 12.

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

13b. Signature N/A	13c. Approval Organization Number N/A	14b. Signature  HOPE AERO 53-91 #5	14c. Approval Organization Number AMO 53-91
13d. Name N/A	13e. Date (dd/mm/yyyy) N/A	14d. Name B. Kentner	14e. Date (dd/mm/yyyy) 01/Dec/2017

30 Dec 2008 (Previously form 24-0078)

Installer Responsibilities

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