

**AIRCRAFT
TECHNICAL
LOGS**

Section 4. PROPELLER

The United States of America
Department of Transportation
Federal Aviation Administration
Washington, D.C.

No. E404511

Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (s)¹ of the Federal Aviation Administration, Numbered **P-920** has been examined and as of the date of this certificate, is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with those special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.

Product: **Aircraft Propeller**
Manufacturer: **Hartzell Propeller Inc.**
Model: **HC-C2YR-1BF/F7495S**
Serial No.: **CH39027B**
New Newly Overhauled
Used Aircraft
Country to which exported: **Canada**
Exceptions:
NONE

Jeff Quillen

Jeff. Quillen, DOA-100082-CE

Signature of Authorized Representative

June 28, 2005

Date

Hartzell Propeller Inc. (PC-10)

District Office or Designee Number



¹ For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.

HARTZELL PROPELLER INC.

One Propeller Place
Piqua, Ohio 45356-2634 U.S.A.

HARTZELL

Page 1 of 2

DA40-MMS

March 13, 2003

MAINTENANCE MANUAL SUPPLEMENT
FOR
HARTZELL HC-C2YR-1BF/F7495S PROPELLER
AND A-2295(P) SPINNER
ON DIAMOND DA 40 AIRCRAFT

STC SA 01850CH

LOG OF REVISIONS

| <u>Revision Number</u> | <u>Revised Pages</u> | <u>Description of Revision</u> | <u>Approved</u> | <u>Date</u> |
|------------------------|----------------------|--------------------------------|-----------------|-------------|
|------------------------|----------------------|--------------------------------|-----------------|-------------|

NOTE: All changes are indicated by a black vertical line along the left margin.

FAA Accepted *Mike D...* Date MAY 15 2003

DA40-MMS

March 13, 2003

Chapter 4 Airworthiness Limitations

There are no life-limited components used in the STC installation.

Chapter 5 Time limits / Maintenance checks

Recommended Time-Between-Overhaul (TBO) limits for the STC propeller may be found in Hartzell Service Letter 61.

Chapter 61 Propellers

Section 61-10

The STC propeller should be installed in accordance with STC Installation Instruction DA40-NST.

Maintenance and troubleshooting practices and procedures for the propeller are in Hartzell Manual 115 (Hartzell Owner's Manual) which is included with the propeller. The DA 40 propeller model is HC-C2YR-1BF/F7495S. Use the removal and installation procedures designated for "K" and "R" flange propellers.

The propeller blades must be shot peened between blade stations 6.0 and 25.0 on both face and camber sides. Blades having damage to the shot peened areas exceeding 0.015 inches deep must be removed from service and the reworked area shot peened before further flight. NOTE: For leading and trailing edge damage, a 0.250 inch deep rework limit applies before shot peening is required. Reference: Hartzell Manual 115 (Owner's Manual) for additional propeller service information.

Propeller overhaul must be accomplished by an approved Propeller Repair Station.

Section 61-20 - No Change

Chapter 71 Powerplant - No Change

Date

~~MAY~~ 15 2003



PROPELLER LOG

- 1. Make HARTZELL
- 2. Model HC-C2YR-1BF
- 3. Specification No. P-920
- 4. Date of Manufacture _____
- 5. Hub Serial No. CH 39027B
- 6. Blades
 - (a) Design No. F7495S
 - (b) Blade Serial Nos.
 - (i) K22364
 - (ii) K22365
 - (iii) _____
 - (iv) _____
 - (v) _____
 - (c) Pitch Setting
 - (i) Basic _____
 - (ii) High _____
 - (iii) Low _____
 - (iv) Reverse _____

MAINTENANCE RECORD

| REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS. | SIGNATURE | LICENCE NUMBER |
|-------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------|
| <p>COMPLETE</p> <p>S/N 40.549</p> <p>AS PER STC No. SA01850CH</p> | | <p style="text-align: center;">DA Q 42</p> <p style="text-align: center;">DA Q 42</p> |

03/26/2010 N102UV HC-C2YR-1BF S/N CH39027B 574.8 Tach & TTProp
 Performed **Annual** inspection in accordance with FAR 91.409(a) and FAR 43 Appendix D.
 AD's checked through this date. No new or recurring due at this time.

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

Signature A&P/IA 538984858

04/14/2011 N102UV HC-C2YR-1BF S/N CH39027B 680.8 Tach & TTProp
 Performed **Annual** inspection in accordance with FAR 91.409(a) and FAR 43 Appendix D.
 AD's checked through this date. No new or recurring due at this time.

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

Signature A&P/IA 3155315

HILLSBORO AVIATION

Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3565 NE Cornell Road, Hillsboro, OR 97124 Phone (503)648-2831

Prop Log

| | | | |
|------------------------------------------|-----------------------|-----------------------|----------------------|
| N102UV | Make: Hartzell | Model: HC-C2YR | S/N: CH39027B |
| Date: April 12th, 2012 | Tach: 790.8 | Prop TT: 790.8 | WO# M12-0348 |

Completed **100 hr. inspection** per Diamond DA40 inspection checklist. Dressed minor leading edge nicks. Serviced with Aeroshell 6 grease. I certify this Prop has been inspected in accordance with a 100 hr. inspection and was determined to be in airworthy condition at this time.
 14CFR43.11CRS#LJER093G

Signed: Designated Repair Station Inspector

END

HILLSBORO AVIATION

Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3565 NE Cornell Road, Hillsboro, OR 97124 Phone (503)648-2831

Prop Log

| | | | |
|--------------------------|-----------------------|-----------------------|----------------------|
| N102UV | Make: Hartzell | Model: HC-C2YR | S/N: CH39027B |
| Date: May 1, 2013 | Tach: 904.2 | Prop TT: 904.2 | WO# M13-0484 |

Completed **Annual** inspection per FAR 91.409(a) and FAR 43 appendix D. Serviced with Aeroshell 6 grease. I certify this Prop has been inspected in accordance with a 100 hr/annual inspection and was determined to be in airworthy condition at this time.
 14CFR43.11CRS#LJER093G

Signed: Keith Loose Designated Repair Station Inspector

END

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 | → | | | | |



HILLSBORO AVIATION

Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3565 NE Cornell Road, Hillsboro, OR 97124 Phone (503)648-2831

Propeller Log

N102UV **Make: Diamond** **Model: DA-40** **S/N: 40.549**
 Date: 5/9/2014 Tach: 970.9 ACTT: 970.9 WO# M14-046

Propeller Make: Hartzell Model: HC-C2YR-1BF Serial: CH39027B Hub

Performed the following inspections and/or Bulletins:
 Performed Annual inspection per FAR 91.409(a) appendix D on propeller,

Performed the Following Maintenance and Repairs:
 Serviced propeller hub assembly.

Approval for Return to Service: I certify this aircraft has been inspected in accordance with an Annual inspection FAR 43 appendix D and was determined to be in airworthy condition at this time. 14CFR43.11

Signed: *[Signature]* Designated Repair Station Inspector

END



Western Aircraft Propeller Service Inc.

**1610 NW Perimeter Way
 Troutdale, OR 97060**

Repair Station No. FQ6R544N

WO#23607 Hartzell Propeller Model – HC-C2YR-1BF/
 Hub Serial – CH39027B

Remove Nick in blade in accordance with Hartzell 133-C and 202A special inspections. Blade nick not requiring reshotpeen. Repaint and balance propeller.

Repairman *[Signature]*

4-20/15 DATE

component identified above was inspected or repaired in accordance with Current FAA Regulations and found airworthy for return to service. Pertinent Details are on file at this agency under work order number.

FAA Repair Station FQ6R544N

TSO - NA TT- 1020.5



HILLSBORO AVIATION

Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3950 NW 264th Ave., Hillsboro, OR 97124 Phone (503)648-2831

Propeller Log

N102UV **Make: Diamond** **Model: DA-40** **S/N: 40.549**
 Date: 4/22/2015 Tach: 1020.5 Prop TT: 1020.5 WO# M15-0897

Propeller Make: Hartzell Model: HC-C2YR-1BF Serial: CH39027B Hub

Performed the following inspections and/or Bulletins:
 Performed Annual/100 hr. inspection per FAR 91.409(a) and FAR 43 appendix D on propeller.

Performed the Following Maintenance and Repairs:
 Prop removed and sent to Western Propeller for leading edge repair and refinish. See Western Propeller log entry dated 4/20/2015. Reinstalled prop per Diamond DA40 MM.

Approval for Return to Service: I certify this Propeller has been inspected in accordance with an Annual/100 hr. inspection FAR 43 appendix D and was determined to be in airworthy condition at this time. 14CFR43.11

Signed: *[Signature]* Designated Repair Station Inspector

END

MAINTENANCE RECORD



Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3950 NW 264th Ave., Hillsboro, OR 97124 Phone (503)648-2831

Propeller Log

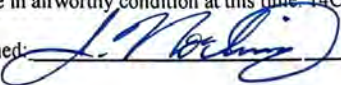
N102UV Make: Diamond Model: DA-40 S/N:40.549
Date: 5/06/2016 Tach: 1082.6 Prop TT: 1082.6 WO# M16-039

Propeller Make: Hartzell Model: HC-C2YR-1BF Serial: CH39027B Hub

Performed the following inspections and/or Bulletins:
Performed Annual/100 hr. inspection per FAR 91.409(a) and FAR 43 appendix D on propeller.

Performed the Following Maintenance and Repairs:
Prop removed and sent to Western Propeller for leading edge repair and refinish. See Western Propeller log entry dated 4/20/2015. Reinstalled prop per Diamond DA40 MM.

Approval for Return to Service: I certify this Propeller has been inspected in accordance with an Annual/100 hr. inspection FAR 43 appendix D and was determined to be in airworthy condition at this time. 14CFR43.11

Signed:  Designated Repair Station Inspector

END



Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3845 NE 30th Ave., Hillsboro, OR 97124 Phone (503)648-2831

Propeller Log

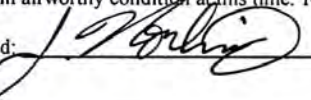
N102UV Make: Diamond Model: DA-40 S/N:40.549
Date: 5/11/2017 Tach: 1123.0 Prop TT: 1123.0 WO# M17-045

Propeller Make: Hartzell Model: HC-C2YR-1BF Serial: CH39027B Hub

Performed the following inspections and/or Bulletins:
Performed Annual/100 hr. inspection per FAR 91.409(a) and FAR 43 appendix D on propeller.

Performed the Following Maintenance and Repairs:

Approval for Return to Service: I certify this Propeller has been inspected in accordance with an Annual/100 hr. inspection FAR 43 appendix D and was determined to be in airworthy condition at this time. 14CFR43.11

Signed:  Designated Repair Station Inspector

END



Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3845 NE 30th Ave., Hillsboro, OR 97124 Phone (503)648-2831

Propeller Log

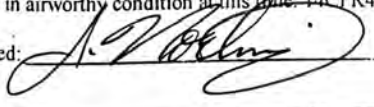
N102UV Make: Diamond Model: DA-40 S/N: 40.549
Date: 5/29/2018 Tach: 1180.5 Prop TT: 1180.5 WO# M18247

Propeller Make: Hartzell Model: HC-C2YR-1BF Serial: CH39027B Hub

Performed the following inspections and/or Bulletins:
Performed Annual/100 hr. inspection per FAR 91.409(a) and FAR 43 appendix D on propeller. AD's checked thru BiWeekly 2018-10.

Performed the Following Maintenance and Repairs:

Approval for Return to Service: I certify this Propeller has been inspected in accordance with an Annual/100 hr. inspection FAR 43 appendix D and was determined to be in airworthy condition at this time. 14CFR43.11

Signed:  Designated Repair Station Inspector

END

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND



HILLSBORO AVIATION

Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3845 NE 30th Ave., Hillsboro, OR 97124 Phone (503)648-2831

Propeller Log

N102UV **Make: Diamond** **Model: DA-40** **S/N: 40.549**
Date: 6/06/2019 **Tach: 1233.5** **Prop TT: 1233.5** **WO# M19491**

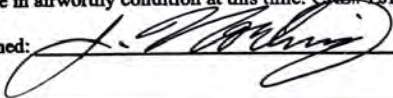
Propeller Make: Hartzell **Model: HC-C2YR-1BF** **Serial: CH39027B Hub**

Performed the following inspections and/or Bulletins:


Performed Annual/100 hr. inspection per FAR 91.409(a) and FAR 43 appendix D on propeller. AD's checked thru BiWeekly 2019-11.

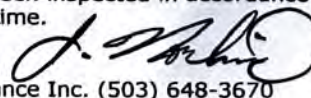
Performed the Following Maintenance and Repairs:

Approval for Return to Service: I certify this Propeller has been inspected in accordance with an Annual/100 hr. inspection FAR 43 appendix D and was determined to be in airworthy condition at this time. CRS# LJER093G

Signed:  Designated Repair Station Inspector
END

| | | | | |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------|---------|---------------|
| Registration | N102UV |  | Date | July 24, 2020 |
| Make | Hartzell | | Hobbs | 1748.8 |
| Model | HC-C2RY-1BF | | Tach | 1269.8 |
| Serial No. | CH39027B | 13310 Nevada City Ave. | SMOH | 1269.8 |
| Invoice No. | 27716 | Grass Valley, CA 95945 | TT Prop | 1269.8 |
| | CRS# XGKR718T | (530) 477-7701 | | |
| Description of Inspections, Tests, Repairs, and Alterations. | | | | |
| 1 Serviced prop IAW Hartzell 100hr check. | | | | |
| I certify that this propeller has been inspected in accordance with an Annual Inspection and found to be in airworthy condition. | | | | |
| Signature  | | | | CRS# XGKR718T |

July 8, 2021 Tach: 1340.9 Prop Total: 1340.9 Prop TSOH NA Hobbs: 1837.7
Complied with an ANNUAL inspection I/A/W 14 CRF 43 Apdx D.
 Cleaned hub and spinner dome.
 I certify this propeller has been inspected in accordance with an Annual inspection and has been found to be in Airworthy condition at this time.
 Rian Keller AP2771007 IA  Northwest
 Aircraft Maintenance Inc. (503) 648-3670

August 3rd, 2022 Tach: 1386.3 Prop Total: 1386.3 Prop TSOH NA Hobbs: 1898.1
Complied with an ANNUAL inspection I/A/W 14 CRF 43 Apdx D.
 Cleaned hub and spinner dome. Dressed nicks as needed. Prop serviced with Aeroshell 6.
 I certify this propeller has been inspected in accordance with an Annual inspection and has been found to be in Airworthy condition at this time.
 John Norling AP3046424 IA 
 Northwest Aircraft Maintenance Inc. (503) 648-3670

SINCE MFG.

