

# AIRCRAFT TECHNICAL RECORD

Section 4. PROPELLER LOG



Hartzell  
 HC-C2YR-1B  
 P-920  
 MARCH 31 2020  
 NS5109B

M05468  
 M05474

29.0  
 13.9

1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: <b>20200331AB</b>	
4. Organization Name and Address: <b>Hartzell Propeller Inc. One Propeller Place Piqua, Ohio 45356 (PC-10)</b>		5. Work Order/Contract/Invoice Number: <b>269104</b>		11. Status/Work: <b>NEW</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	
1	<b>Aircraft Propeller</b>	<b>HC-C2YR-1BFP/F7497</b>	<b>1</b>	<b>NS5109B</b>	
12. Remarks: The propeller identified by this Certificate has been examined and found to conform to the Canadian Department of Transport Type Certificate P-51 issue no. 1, is found to be in a condition for safe operation and has undergone a final operational check. <b>Packaging Methods used to protect against corrosion and damage: QC-05-003</b> <b>Duration of Methods: 6 months</b> <input type="checkbox"/> Other regulations specified in Block 12					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in 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 regulations 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: <i>Melissa Zickafosse</i>		13c. Approval/Authorization No.: <b>ODA-100082-CE</b>	14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): <b>Melissa . Zickafosse</b>		13e. Date (dd/mm/yyyy): <b>31/Mar/2020</b>	14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
<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 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 accepts engines(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 LOG

1. Make: Hartzell Propeller Inc.
2. Model: HC-C2YR-1BFP/F7497
3. Specification Number: P-920
4. Date of Manufacture: MARCH 31 2020
5. Hub Serial Number: NS5109B
6. Blades:
  - a. Design Number:
  - b. Blade Serial Numbers:
    - i. : M05468
    - ii. : M05474
    - iii. :
    - iv. :
  - c. Pitch Setting
    - i. Basic:
    - ii. High: 29.0
    - iii. Low: 13.9
    - iv. Reverse:
    - v.





# Section 4A: Propeller Service and Maintenance Record

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HOURS	MIN	HOURS	MIN
BROUGHT FORWARD	▶			

DESCRIPTION OF WORK PERFORMED:  
(INSPECTION, REPAIRS, REPLACEMENT)



**DIAMOND AIRCRAFT INDUSTRIES INC.**  
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N741CD  
AC Serial Number: 40.1230  
Engine Serial Number: L-38392-51E  
Prop Serial Number: NS5109B  
Airframe Total Time: 4.7 HRS

- Total **Propeller** time Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.7 HRS
- Propeller installed new on DA 40, S/N: 40.1230 per STC No. SA02476CH-D.
- Prop Dynamic Balance performed:
  - 0.0g located @ 0.0°
  - Balanced to 0.173 IPS
- Bi-weekly AWD check carried out to current revision 2021-16 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

 **DA Q 8**  
Inspector

**AUG 12 2021**  
date

(Intentionally left blank below this point)

wo: WO\_147



Steel Aviation, Inc. · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

Propeller · page 1 of 1

**N741CD**  
TACH: 151.8

**Hartzell, HC-C2YR-1BFP, S/N: NS5109B**

January 06, 2023

- C/W Annual Inspection in accordance with FAR 43 Appendix D - using Diamond AMM as a guide.
- Lubricated propeller hub with NYCO-GN3085.

I certify that this Propeller has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation, Inc. under work order: WO\_147.

Jeff Pleiman A/P I/A 3304319 

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PREVIOUS TOTAL BROUGHT FORWARD	
<b>TOTAL SINCE NEW</b>	

CARRY TOTALS FORWARD to Top of Next Page ▶

