

**HARTZELL**

# PROPELLER LOGBOOK

PROPELLER MODEL PHC-J3YF-1RF/F7392-1

PROPELLER S/N FP3061B

LOGBOOK # 1

[illegible]



2/5/2008 N700ZG HARTZELL PHC-J3YF-1RF S/N FP3061B

Hobbs: 721.4 PTT: 721.4

Performed annual inspection in accordance with Cirrus SR20 inspection checklist

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

Signed: Fernando Cardoza  
Fernando Cardoza A&P 3122578



N700ZG SR20 Serial# 1457

AFTT:821.4 ETT:821.4 TSOH:n/a PTT:821.4

C/W annual inspection IAW Cirrus MM 05-20.

I certify that this **AIRFRAME/ENGINE/PROPELLER** has been inspected I/A/W an annual inspection and is in an airworthy condition per FAR43 appendix D.

Neil Stewart/ A&P3293400IA.

2/27/09

| Date | Propeller<br>TSN TSO | A/C<br>Hrs | Description of all operations pertaining to Airworthiness Directives,<br>Service Documents, Overhaul, Major or Minor Repair, and Inspections.  |
|------|----------------------|------------|--|
|      |                      |            | <p style="text-align: center;"><i>FLYCAROLINA</i></p> <p style="text-align: center;">03/26/2010    N700ZG    HARTZELL    PHC-J3YF-1RF    S/N FP3061B</p> <p style="text-align: center;">Hobbs: 1024.6    PTT: 1024.6</p> <p>Performed Annual Inspection in accordance with Cirrus SR20 MM inspection checklist and CFR 14 Part 43.<br/>I certify that this Propeller has been inspected in accordance with an Annual Inspection and was found to be in<br/>airworthy condition.</p> <p style="text-align: right;"><i>Carl Jones</i>    A&amp;P 2190462 IA</p> <p>Cal</p> |
|      |                      |            | <p>Date: 4-6-2011 Tach: n/a Hobbs: 1123.5 Model: SR20 Serial #: 1457</p> <p>TTAF: 1123.5 TTE: 1123.5 TSMOH: n/a TTP: 1123.5 TSPOH: n/a</p> <p>C/W annual inspection.</p> <p>I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an<br/>annual/100hr inspection per CFR 43 appendix D and was found in an airworthy<br/>condition.</p> <p>A&amp;P 32934001A <i>[Signature]</i></p>   |

**N#700ZG**

Date:3-15-2012 Tach:n/a Hobbs:1184.7 Model:SR20 Serial #:1457

**TTAF:1184.7 TTE:1184.7 TStopend repair:363.3 TTP:1184.7 TSPOH:n/a**

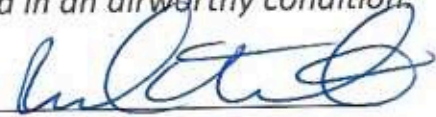
C/W annual inspection.I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an annual inspection and is in an airworthy condition per CFR 43.13 appendix D.

A&P329400IA 

**-END-**

1650 Aviation Drive  
Monroe, NC 28110  
704-283-4600

Date: 3-28-2013 N#:700ZG Tach:n/a Hobbs:1245.1 Model:SR20 Serial#:1457  
**TTAF:1245.1 TTE:1245.1 TSTrepair:423.7 TTP:1245.1 TSPOH:new.** I certify that  
this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an annual inspection  
per CFR 43 appendix D and was found in an airworthy condition.

A&P3293400IA 



Date

Description of all operations pertaining to Airworthiness Directives,

N#:700ZG Date:5-8-2014 Hobbs:1289.0 Model:SR20.

I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an annual inspection per CFR43 appendix D and is in an airworthy condition at this time.

A&amp;P3293400

10/8/14

1306.4

Removed prop & replaced with p# MS28775-28  
& re-installed prop, ground RAN, ops & leak check  
NORMAL

A&amp;P3293400

Engine Propeller

N# 700ZG Date:5-15-2015 Hobbs:1321.7 Model:SR20

TTAF:1321.7 TTE:1321.7 TSTop end:500.3 TTP:1321.7 TSPOH:new

C/W annual inspection. I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an 100hr inspection per CFR 43 appendix D and is in an airworthy condition.\*

Neil Stewart A&P3293400IA

Propeller  
Airframe

N#:700ZG Date:5-25-2016 Hobbs:1361.9 Model:SR20.

TTAF:1361.9 TTE:1361.9 TSTop:540.4 TTP:1361.9 TSPOH:new.

C/W Annual inspection.

I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an annual inspection per CFR 43 appendix D and is in an airworthy condition.

Neil Stewart A&P3293400IA

Date

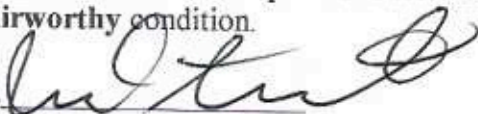
Propeller

N#:700ZG Date:5-5-2017 Flight:1383.1 Model:SR20

C/W Annual inspection.

I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an Annual inspection per CFR 43 appendix D and is in an airworthy condition.

Neil Stewart A&P3293400IA



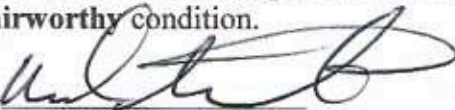
Propeller

N#:700ZG Date:4-23-2018 Hobbs:1463.3 Model: SR20  
TTAF:1383.1 TTE:1383.1 TSMOH: n/a TTP: 1383.1 TSPOH: n/a

C/W Annual Inspection.

I certify that this AIRFRAME/ENGINE/PROPELLER has been inspected IAW an Annual inspection per CFR 43 appendix D and is in an airworthy condition.

Neil Stewart A&P3293400IA







**VICTORY LANE**  
AVIATION

9200-B Aviation Blvd, Concord, NC 28027

**DATE:** 05/10/19      **REG:** N700ZG      **MAKE:** Cirrus      **MODEL:** SR20  
**SN:** 1457      **HOBBS:** 1417.8  
**MAKE:** Hartzell      **MODEL:** PHC-J3YF-1      **SN:** FP3061B

**PROPELLER**

Performed an Annual Inspection on this **PROPELLER** I/A/W FAR Part 43 Appendix D in scope and detail. Inspected, lubricated, and dressed propeller assembly as needed. All work was done I/A/W Cirrus SR20 AMM and Hartzell PHC-J3YF -1 MM

Ryan Shepherd

A&P 3805429

I certify this **PROPELLER** has been inspected in accordance with FAR Part 4 Appendix D in scope and detail with an Annual inspection and return to service at this time. -END-

Luis Osuna

A&P IA: 2783010

Date

Description of all operations pertaining to Airworthiness Directives,

rections.

Date: 5/22/2020; Aircraft: N700ZG; Type: CIRRUS SR20; S/N: 1457; Hobbs: 1762.70; Total Time: 1762.70  
\*\*\*Propeller\*\*\*

AD 07-26-09 Piacard, Propeller Shank rework NA by propeller blade serial numbers. Blade serial numbers as follows K07510, K 07509, and K 07511.

Bobby Wangler  
A&P 2702325 IA



☐ Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



☒ Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

Date: 6/03/2020; Aircraft: N700ZG; Type: CIRRUS SR20; S/N: 1457; Hobbs: 1762.70; Total Time: 1762.70;  
Engine - Type: IO-360-ES6, S/N: 357840, Time: 1762.70; Prop - Type: PHC-J3YF-IRF, S/N: FP3061B, Time:  
1762.70

\*\*\*Propeller\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D. Performed ground run, operational, and leak checks - no defects noted. All work performed in accordance with approved/current technical data. I certify that this propeller has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Doug Seibel  
A&P389765035 IA

 IA389765035

☐ Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



☒ Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

Date: 7/13/2021; Aircraft: N700ZG; Type: CIRRUS SR20; S/N: 1457; Hobbs: 2168.10; Total Time: 2168.10;  
Engine - Type: IO-360-ES6, S/N: 357840, Time: 2168.10; Prop - Type: PHC-J3YF-IRF, S/N: FP3061B, Time:  
2168.10

\*\*\*Propeller\*\*\*

Completed an Annual inspection in accordance with FAR 43, Appendix D. Performed ground run, operational,  
and leak checks - no defects noted. All work performed in accordance with approved/current technical data. I  
certify that this propeller has been inspected in accordance with an Annual inspection and was determined to be  
in airworthy condition.

*Jon Weigand AP 3678294 IA*

Jon Weigand  
A&P 3678294

☐ Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



☒ Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

February 21, 2022 Hobbs: 2322.3

Installed this prop on SR20 N700ZG following  
Overhaul by Aircraft Propeller Service as per  
Chapter 61 of Cirrus MTC manual. Ops OK & leak  
CK is good. Ref: 8130 tag & W.O. 140273.

*John Korth*  
A&P 33248618

[illegible]



|   |   |   |                             |   |                                       |
|---|---|---|-----------------------------|---|---------------------------------------|
| 1. Approving Civil Aviation<br>Authority/Country:<br><b>FAA/UNITED STATES</b>   |   | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG |                             | 3. Form Tracking Number:<br><b>622066</b> |                                       |
| 4. Organization Name and Address:<br><b>AIRCRAFT PROPELLER SERVICE, LLC</b><br>595 TELSER ROAD<br>LAKE ZURICH, IL 60047      EY2R811K |   | 5. Work Order/Contract/Invoice Number:<br><b>140273 / N700ZG</b>                        |                             |   |                                       |
| 6. Item:<br><b>1</b>  | 7. Description:<br><b>HARTZELL<br/>PROPELLER ASSEMBLY</b> | 8. Part Number:<br><b>PHC-J3YF-1RF/F7392-1</b>  | 9. Quantity:<br><b>1.00</b> | 10. Serial Number:<br><b>FP3061B</b>      | 11. Status/Work:<br><b>OVERHAULED</b> |

12. Remarks:

OVERHAULED per: 113B R: 48 (7/7/2021), 133C R: 40 (10/1/2021), 159 R: 78 (11/1/2021)

|  |           |          |     |          |
|--|-----------|----------|-----|----------|
| COMPLIED WITH:   | ASSEMBLY: | SERIAL # | TSN | TSO/TSMI |
| AD: NONE   | HUB:      | FP3061B  | UNK | 0.0      |
|  | BLADE 1:  | K07510   | UNK | 0.0      |
| S/B: 118FR1, 136R1, 374R1                                    | BLADE 2:  | K07509   | UNK | 0.0      |
|  | BLADE 3:  | K07511   | UNK | 0.0      |
| S/L: 61YR14, 177, 212R2, 217, 244, 267, 282R1, 348, 353, 354 |           |          |     |          |
| OTHER: WAPA 001  |           |          |     |          |

Full detail of the work specified in Block 11 is on file within this agency.



Certifies that the work specified in Blocks 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: "EASA.145.5126."

13a. 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 12

14a ☒ 14 CFR 43.9 Return to Service ☒ 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.:

EY2R811K

13d. Name (Typed or Printed):

13e. Date (dd/mm/yyyy):

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

RICHARD AHLMAN

21/FEB/2022

### 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.



# APS

A Global Aerospace Partners Company

Aircraft Propeller Service, LLC  
595 Telser Road  
Lake Zurich, IL 60047  
847-541-1133 Office  
847-541-0176 Fax  
CRS EY2R811K  
EASA.145.5126

## TD/INSP REPORT

Quote #: 140273  
Work Order #: 140273  
Work Type: OH  
Serial #: FP3061B  
Part Number: PHC-J3YF-1RF/F7392-1  
Date Printed: 2/21/2022  
Page: 1

**AIRCRAFT PROPELLER SERVICE, LLC**

**Quote #: 140273**

**Customer: FOX FLYING CLUB**

Page: 1

**To: FOX FLYING CLUB**  
P.O. BOX 472  
WHEATON, IL 60189  
USA

**Ship To: FOX FLYING CLUB**  
DUPAGE AIRPORT  
WEST CHICAGO, IL 60185  
USA

Cust PO #: N700ZG

Entry Date: 2/14/2022

Terms: C.O.D.

Code: FFC1

Fax #:

Contact: RANDY KASTOR

Site: \_

Email:

Phone #:

### 1 HC3-ACS-1 OH HARTZELL PROPELLER OVERHAUL

### 2 GA PROPELLER OVERHAUL PARTS KIT

| Parts | PN/Description                  | Discrepancy | Condition | Qty |
|-------|---------------------------------|-------------|-----------|-----|
|       | J3YF-1RF-OH KIT, OVERHAUL PARTS | EXPENDABLE  | NEW       | 1   |

### 3 SLSPK, HARTZ BLD KNOB SHOT PEEN - 3 BLADES

Task: 32 SLSPK, HARTZELL BLD KNOB SHOT PEEN - 3 BLADES

### 4 GA ADDITIONAL PARTS REQUIRED

| Parts | PN/Description                        | Discrepancy | Condition  | Qty |
|-------|---------------------------------------|-------------|------------|-----|
|       | A-2429-5 STUD, MOUNTING, 1/2-20       | EXPENDABLE  | NEW        | 6   |
|       | A-2204 RING, RETAINING, BEARING       | WORN        | OVERHAULED | 3   |
|       | A-2433 BOLT, 3/8-24, HEX HEAD         | WORN        | OVERHAULED | 6   |
|       | A-2431 BOLT, 3/8-24, HEX HEAD         | WORN        | OVERHAULED | 9   |
|       | B-3834-0663 WASHER                    | EXPENDABLE  | NEW        | 6   |
|       | B-3599 NUT, 3/8-24, HEX, SELF-LOCKING | EXPENDABLE  | NEW        | 6   |

### 5 ILLINOIS SALES TAX



|                   |                      |
|-------------------|----------------------|
| TCM Engine Model  | IO-360ES6B           |
| TCM Serial#       | 357840               |
| Test Document     | TH-3209 Rev F        |
| Software Release# | 1.98, 05/13/04       |
| Start Time        | 8/26/04, 09:52:33    |
| Accepted Time     | 8/26/04, 12:18:34    |
| Cell# & Operator  | 7, 31559             |
| Sea Level Power   | 210 HP @ 2800RPM     |
| Vapor Pressure    | 0.99 in HG           |
| Temp, Wet Baro    | 87.80 F, 30.18 in HG |

# Teledyne Continental Motors Aircraft Engine Standard Acceptance Test Log

|                  |             |
|------------------|-------------|
| Test Club#       | C2641       |
| Rqrd Pitch       | 14.5° ± .5° |
| Actual Pitch     | 14.5°       |
| Mixture Check    | PASS        |
| Alternator Check | N/A         |

| Mag Data         | Required | Actual |
|------------------|----------|--------|
| Eng Speed Both   | 2100     | 2096   |
| Eng Speed Right  | N/A      | 2011   |
| Right Mag Drop   | 150      | 85     |
| Eng Speed Left   | N/A      | 1989   |
| Left Mag Drop    | 150      | 107    |
| Mag Drop Spread  | 50       | 22     |
| Fuel Flow (Ref.) | 45       | 36     |

**Note: Magneto check between Run 2 & 3**

| Run Information                      | Run 1     | Run 2     | Run 3     | Run 4       | Run 5     | Run 6    | Run 7     | Run 8     |
|--------------------------------------|-----------|-----------|-----------|-------------|-----------|----------|-----------|-----------|
| Time Of Day                          | 09:59:52  | 10:01:00  | 10:04:00  | 10:14:35    | 10:27:27  | 10:39:15 | 10:51:33  | 12:09:45  |
| Run Time Rqd (MM:SS)                 | 01:00     | 01:00     | 01:00     | 10:00       | 10:00     | 01:00    | 10:00     | 05:00     |
| Run Time                             | 01:00     | 01:00     | 01:03     | 10:00       | 10:00     | 01:00    | 10:00     | 05:00     |
| Prop Speed Rqd (RPM)                 | 1175-1225 | 1575-1625 | 2425-2475 | 2838-2888   | 2591-2616 | 575-625  | 2592-2617 | 2593-2618 |
| Prop Speed                           | 1203      | 1605      | 2449      | 2871        | 2605      | 623      | 2601      | 2610      |
| Manifold Press Rqd (inHg)            | N/A       | N/A       | N/A       | 26.2-29.2   | N/A       | 21.0 MAX | N/A       | N/A       |
| Manifold Press                       | 11.6      | 14.6      | 23.6      | 28.0        | 24.9      | 13.9     | 24.4      | 24.5      |
| Turbo Dis Press Rqd (inHg)           | N/A       | N/A       | N/A       | N/A         | N/A       | N/A      | N/A       | N/A       |
| Turbo Dis Press                      | 29.2      | 29.2      | 29.3      | 29.4        | 29.3      | 29.2     | 29.2      | 29.3      |
| Fuel Flow Rqd (lb/hr)                | N/A       | N/A       | N/A       | 102.3-108.3 | 76.0-82.0 | N/A      | N/A       | N/A       |
| Fuel Flow                            | -0.1      | 1.3       | 68.1      | 104.7       | 76.0      | 6.7      | 78.0      | 78.7      |
| Nozzle Press Rqd (PSID)              | N/A       | N/A       | N/A       | 15.0-16.0   | 9.7-10.7  | N/A      | N/A       | N/A       |
| Nozzle Press                         | 3.9       | 4.2       | 7.9       | 15.6        | 10.2      | 3.4      | 10.6      | 10.6      |
| Fuel Pump Press Rqd (PSIG)           | N/A       | N/A       | N/A       | 21.9-24.9   | N/A       | 7.0-9.0  | N/A       | N/A       |
| Fuel Pump Press                      | 9.7       | 12.3      | 19.4      | 24.0        | 21.9      | 7.8      | 21.4      | 21.5      |
| Fuel Temp Rqd (°F)                   | N/A       | N/A       | N/A       | N/A         | N/A       | N/A      | N/A       | N/A       |
| Fuel Temp                            | 75        | 72        | 68        | 66          | 67        | 72       | 67        | 66        |
| Ambient Temp Rqd (°F)                | N/A       | N/A       | N/A       | N/A         | N/A       | N/A      | N/A       | N/A       |
| Ambient Temp                         | 88        | 89        | 90        | 90          | 90        | 89       | 91        | 91        |
| Eng Inlet Oil Temp Rqd (°F)          | 90-240    | 120-240   | 165-240   | 180-240     | 165-240   | 140-240  | 165-240   | 165-240   |
| Eng Inlet Oil Temp                   | 128       | 140       | 165       | 180         | 210       | 197      | 165       | 165       |
| Eng Oil Press Rqd (PSIG)             | 30.0 MIN  | 30.0 MIN  | 30.0 MIN  | 44.8-75.3   | 30.0 MIN  | 13.1 MIN | 30.0 MIN  | 30.0 MIN  |
| Eng Oil Press                        | 61.0      | 63.6      | 58.1      | 49.7        | 48.0      | 19.2     | 54.5      | 52.9      |
| Min Cylinder Temp Rqd (°F)           | 150 MIN   | 175 MIN   | 225 MIN   | 250 MIN     | 250 MIN   | N/A      | 250 MIN   | 250 MIN   |
| Max Cylinder Temp Rqd (°F)           | 460 MAX   | 460 MAX   | 460 MAX   | 460 MAX     | 460 MAX   | 460 MAX  | 460 MAX   | 460 MAX   |
| Cylinder 1 Temp                      | 222       | 239       | 307       | 312         | 361       | 283      | 291       | 312       |
| Cylinder 2 Temp                      | 234       | 254       | 318       | 330         | 353       | 260      | 320       | 327       |
| Cylinder 3 Temp                      | 217       | 232       | 323       | 325         | 368       | 280      | 316       | 325       |
| Cylinder 4 Temp                      | 233       | 258       | 332       | 329         | 372       | 265      | 327       | 340       |
| Cylinder 5 Temp                      | 212       | 234       | 312       | 317         | 357       | 258      | 311       | 320       |
| Cylinder 6 Temp                      | 204       | 223       | 283       | 287         | 322       | 234      | 286       | 297       |
| Collar Press Differential Rqd (PSID) | N/A       | N/A       | N/A       | 33.2 MIN    | N/A       | N/A      | N/A       | N/A       |
| Collar Press Differential            | 59.7      | 62.4      | 56.6      | 46.0        | 39.6      | 16.9     | 48.9      | 47.4      |

## HARTZELL PROPELLER INC

INSPECTION

Part Number: J3F10600

Date: 7/23/2004

Work Order #: M942340

Model Number

PHC-J3YF-1RF/F7392-1

Ass'y Ser No.

FP3061B

Hydr Unit No.

NA

Bulkhead No.

NA

Valve No.

NA

Dome No.

Blade 1

K07510

Blade 2

K07509

Blade 3

K07511

Blade 4

Blade 5

Blade 6

Carton No.

Lbs.

Weight

Kilos Height

Width

Length

Packing

Comments:

Deice Kit: NA

Spinner Mounting Kit: A2476-7

IDS # 1752 10-24-03

14.1 L.P./S.L. @ 30" Radius

Packing Certified By:

P. D.

Date:

7/24/04



Hartzell Propeller Inc.  
Assembly Inspection Check-off Record

COMPACT PROPELLER

Approved By: S. Wead

Date: 10/31/03

Form Rev.: E

Exp. ☐

Inspection

Prop S/N FP3061B Model PHC-J3VF-1RF W.O. No. M942340  
Drawing D4245 Dwg. Rev. AI IDS No. 1752 IDS Date 10-24-03

Serialized Parts

Builder

Inspector

| Hub Part No.                   | Bulkhead S/N               | Cwt.           | Part No.        | Serial No.       |
|--------------------------------|----------------------------|----------------|-----------------|------------------|
| <u>E71564R</u>                 |                            |                |                 |                  |
| Hub Factory No. <u>A71848B</u> |                            | Blade <u>1</u> | <u>EF7392-1</u> | #1 <u>K07510</u> |
| Fork Ser. No. <u>ME2725</u>    | Slip/Slinger Ring S/N      |                |                 | #2 <u>K07509</u> |
| Piston Ser. No. <u>-</u>       | Cylinder S/N <u>E20227</u> |                |                 | #3 <u>K07511</u> |
|                                |                            |                |                 | #4               |

Builder

Check for Leaks ☒ Check Feather Angle (Record Angle) 1A Verify Rod Nut Cotter Pin ☒  
Assembled By: Mike K. Hartzell Date: 7-23-04

2nd Check Verification

Blade Angles Checked at 30" Radius Low Pitch (Within .2 Deg.) 140'414.2 High Pitch 350'4352  
Friction 1 Function Test "0"-175psi 1 Reverse Pitch N/A  
Track/Length (Aluminum .125" max)(Composite .250" max.) T 1/L  
Verified By: DS Date: 7-23-04

Balance

| Balance Weight    | Lead              | #1          | #2           | #3          | #4 |
|-------------------|-------------------|-------------|--------------|-------------|----|
| Quantity and Type | Trail             | #1 <u>0</u> | #2 <u>1A</u> | #3 <u>0</u> | #4 |
|                   | Front (Assy. S/N) | #1 <u>0</u> | #2 <u>0</u>  | #3 <u>0</u> | #4 |
|                   | Back              |             |              |             |    |

Balanced By: sm Date: 7/23/04

Inspection

Non-installed Mounting Hardware and Dimensional Checks

"D" Flange Only

"F" Flange Only

"L" Flange Only

"N" Flange Only

|                         |  |                     |                                  |
|-------------------------|--|---------------------|----------------------------------|
| (8) A-2044 Nuts         | (6) A-1381 Washers <input checked="" type="checkbox"/>   | (4) B-6489-25 Bolts | (6) A-3257 Nuts                  |
| (8) A-7752 Spacer       | (6) A-2044 Lock Nut <input checked="" type="checkbox"/>  | (4) B-6526-7 Washer | (8) A-2048-2 Washer              |
| (2) A-7750 & (6) A-7749 | A-2429-#15 Studs   |                     | A-3254 Studs Torqued 25 ft. lbs. |
| Stud Torque 25 ft lb    | Torqued 25 ft. lbs. <input checked="" type="checkbox"/>  |                     | Mtg Stud Protrusion              |
| Mtg Stud Protrusion     | Mtg Stud Protrusion <input checked="" type="checkbox"/>  |                     | Dowel Pin Protrusion             |
|                         | Dowel Pin Protrusion <input checked="" type="checkbox"/> |                     | C-3317-230 O-Ring                |

Safeties ☒ Visual Insp Mtg. Flange & Hub Bore ☒ Non-Installed Parts Checked ☒ Torque Sheet Complete ☒  
Spinner Mtg Kit A-2476-(7) Installed ☒ Included N/A  
De-ice Kit No. 1 Installed/Ck'd 1 Included/Ck'd N/A  
Ohms Reading <100K #1 1 #2 1 #3 1 #4 1 N/A  
Air Chamber Charged per Requirement in Applic. Owners Manual 1 N/A

Comments:

Inspected By: John J. Hartzell

Stamp



Date: 7-23-04

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.



Hartzell Propeller Inc.  
Assembly Inspection Check-off Record

COMPACT PROPELLER

Approved By: S. Wead

Date: 10/31/03

Form Rev.: E

Exp. ☐

Inspection

Prop S/N FP3061B Model PHC-J34F-1RF W.O. No. M 942340  
Drawing D4245 Dwg. Rev. AI IDS No. 1752 IDS Date 10-24-03

Serialized Parts

Builder

Hub Part No. E71564R  
Hub Factory No. A71842B  
Fork Ser. No. NEJ725  
Piston Ser. No. -

Inspector

Part No. Serial No.  
Bulkhead S/N \_\_\_\_\_ Cwt. \_\_\_\_\_  
Blade 1301 F7392-1 #1 K07510  
Slip/Slinger Ring S/N \_\_\_\_\_ #2 K07509  
Cylinder S/N E20227 #3 K07511  
#4 \_\_\_\_\_

Builder

Check for Leaks ☒ Check Feather Angle (Record Angle) 11 Verify Rod Nut Cotter Pin ☒  
Assembled By: Mike H. Hartzell Date: 7-23-04

2nd Check Verification

Blade Angles Checked at 30" Radius Low Pitch (Within .2 Deg.) 14.0°/14.2° High Pitch 35.0°/35.2°  
Friction ☒ Function Test "0"-175"psi ☒ Reverse Pitch 11.1°/11.2°  
Track/Length (Aluminum .125" max)(Composite .250" max.) T 11  
Verified By: DS Date: 7-22-04

Balance

Balance Weight Lead #1 0 #2 1.4 #3 0 #4 \_\_\_\_\_  
Quantity and Type Trail #1 0 #2 0 #3 0 #4 \_\_\_\_\_  
Front (Assy. S/N) \_\_\_\_\_ Back \_\_\_\_\_  
Balanced By: sm Date: 7/23/04

Inspection

Non-installed Mounting Hardware and Dimensional Checks

"D" Flange Only

(8) A-2044 Nuts \_\_\_\_\_  
(8) A-7752 Spacer \_\_\_\_\_  
(2) A-7750 & (6) A-7749  
Stud Torque 25 ft lb \_\_\_\_\_  
Mtg Stud Protrusion \_\_\_\_\_

"F" Flange Only

(6) A-1381 Washers ☒  
(6) A-2044 Lock Nut ☒  
A-2429-1.5 Studs  
Torqued 25 ft lbs. ☒  
Mtg Stud Protrusion ☒  
Dowel Pin Protrusion ☒

"L" Flange Only

(4) B-6489-25 Bolts \_\_\_\_\_  
(4) B-6526-7 Washer \_\_\_\_\_

"N" Flange Only

(8) A-3257 Nuts \_\_\_\_\_  
(8) A-2046-2 Washer \_\_\_\_\_  
A-3254 Studs Torqued 25 ft.  
lbs. \_\_\_\_\_  
Mtg Stud Protrusion \_\_\_\_\_  
Dowel Pin Protrusion \_\_\_\_\_  
C-3317-230 O-Ring \_\_\_\_\_

Safeties ☒ Visual Insp Mtg. Flange & Hub Bore ☒ Non-Installed Parts Checked ☒ Torque Sheet Complete ☒  
Spinner Mtg Kit A-2476-(7) Installed ☒ Included \_\_\_\_\_ N/A \_\_\_\_\_  
De-ice Kit No. \_\_\_\_\_ Installed/Ck'd \_\_\_\_\_ Included/Ck'd \_\_\_\_\_ N/A \_\_\_\_\_  
Ohms Reading <100K #1 \_\_\_\_\_ #2 \_\_\_\_\_ #3 \_\_\_\_\_ #4 \_\_\_\_\_ N/A \_\_\_\_\_  
Air Chamber Charged per Requirement in Applic. Owners Manual \_\_\_\_\_ N/A ☒

Comments:

Inspected By: John J. Hartzell

Stamp



Date: 7-23-04

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.