

**HARTZELL**

*N 5122*

# PROPELLER LOGBOOK

PROPELLER MODEL PHC-J3YE-1RF/F7693DFB

PROPELLER S/N FP2841B

LOGBOOK # 1

## PROPELLER MAINTENANCE RECORD

Position \_\_\_\_\_

PITCH RANGE

Propeller Model PHC-J3YE-1RF/E7693DFB

High/Feather \_\_\_\_\_

Propeller S/N FP2841B

Start Lock \_\_\_\_\_

Blade Design \_\_\_\_\_

Low \_\_\_\_\_

Blade S/N's

Reverse \_\_\_\_\_

No. 1 K02900

No. 2 K02917

Aircraft Manufacturer Cirrus Design

No. 3 K02916

Aircraft Model SR-22

No. 4 \_\_\_\_\_

S/N 0955

No. 5 \_\_\_\_\_

Registration \_\_\_\_\_

No. 6 \_\_\_\_\_

Spinner Assembly Part No. \_\_\_\_\_

[illegible]

PROP MODEL:  
PHC-J3YF-1RF/F7693DFB  
PROP S/N: FP2841B  
REG. NO: 646CD  
WORK ORDER:  
2068-09-2004



### Cirrus Design Factory Service Center

Repair Station No. YD5R855Y  
4515 Taylor Circle  
Duluth, MN 55811  
Phone: 218- 788-3101

DATE: 9/21/2004  
A/C TSN: 141.9  
PROP TT: 141.9  
HOBBS: 141.9

### Prop Entries

(3) Performed propeller 100HR inspection IAW cirrus mm chapter 5-20.... (6) Researched ADs through bi-weekly issue 2004-18, all ADs are in compliance at this time.... (17) Lubricated propeller hub IAW Hartzell Owners Manual section Maintenance practices.... (18) Dressed out minor nicks and erosion from propeller blades IAW cirrus mm chapter 61-10 and Hartzells Owners Manual section Maintenance Practices.... (40) Removed and replaced propeller spinner dome with serviceable unit, P/N 13978-402 S/N AI-1841 IAW cirrus mm chapter 61-10.... (45) Adjusted takeoff RPMs IAW cirrus mm chapter 61-20.... (49) I certify that this propeller has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 9/21/2004

SIGNED:

Casey Komarek  
Certified Repair Station No. YD5R855Y

Work Order: 2068-09-2004

Printed by EBis 3 (datcomedia.com)

N512Z

PHC-J3YF-1RF

S/N FP2841B

### Propeller Log

February 3, 2007

745.00 Hobbs

745.00 TSNEW


1 Dressed propeller as necessary

2 Checked Airworthiness Directive Biweeklies through 2006-26.

I certify this Propeller has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition.

Chris P. Jewell A&P 559491389 IA



ate	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
				<b>Southeast Aero Services Inc.</b>
				St Augustine, FL.
				Phone (904) 824-1899/Fax (904) 824-6334
	Hartzell	PHC-J3YF-1RF	s/n:FP2841B	N512Z
	07-01-08	Hobbs:795.2 Prop TT795.2	Completed an Annual inspection in accordance with Chap.05-20 Cirrus SR22 inspection checklist this date. Serviced Hub with Aeroshell #6 lubricant. Installed new Prop de-icer boots. AD's checked thru FAA Bi -Weekly 2008-13. No AD 's due at this time. I certify this Propeller has been inspected in accordance with an Annual inspection and determined to be in Airworthy condition at this time.	
	Danny D. Stokes	A&P / IA 587668284	Signature:	

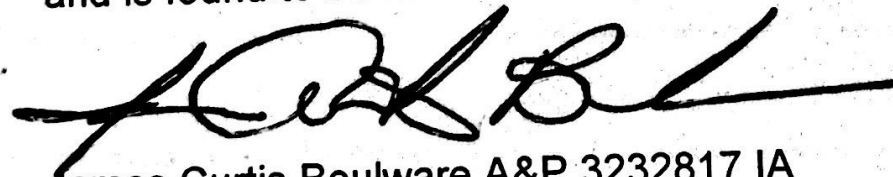
**George Baker Aviation**  
**333 South Street, Hangar "B"**  
**New Smyrna Beach, FL 32168**

Date: 09-01-09		TACH: 868.6
Registration: N512X	Serial #: 0955	TTAF: 868.6
Engine: TCM IO-550-N27	Serial #: 917265	TTSN: 868.6
Prop: PHC-J3YF-1RF	Serial#: FP284B	TTP: 868.6

Performed Annual Inspection in accordance with FAR 43 appendix D.

- Inspected condition of blades, hub, spinner, and backing plate.
- All AD's complied with thru this date.

I certify this **PROPELLER** has been inspected in  
accordance with an **Annual** inspection  
and is found to be in an airworthy condition.



James Curtis Boulware A&P 3232817 IA

END

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
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Date: 12-08-2010		TACH: 934.0
Registration: N512X	Serial #: 0955	TTAF: 934.0
Engine: TCM IO-550-N27	Serial #: 917265	TTSN: 934.0
Prop: PHC-J3YF-1RF	Serial#: FP284B	TTP: 934.0

- Performed Annual Inspection in accordance with FAR 43 appendix D and Cirrus Maintenance Manual "Scheduled Maintenance Checks section 05-20.
- Inspected condition of blades, hub, spinner, backing plate, anti-ice cuffs, slinger, and tubes.
- All AD's complied with thru this date.
- I certify this **PROPELLER** has been inspected in accordance with an **Annual** inspection and is found to be in an airworthy condition.



James Curtis Boulware A&P 3232817 IA

END



Prop: Hartzell: PHC-J3YF-1RF/F7693DFB S/N: FP2841B Reg#: 512Z  
Date: 1/10/2012

1. Performed an Annual Inspection IAW FAR 43 appendix D. No defects noted.
2. Dynamically balanced .All work done IAW Hartzell standard practices manual 202A and Aces system probalancer 101 user manual.
3. I Certify that this propeller has been inspected IAW an **ANNUAL** inspection and was found to be in an airworthy condition. All Ad's checked through T-Data issue 11-26.

Juli O'Gorman



A&P I.A. 2738650

**DLK**

2601 Cessna Lane Kennesaw, GA 30144 770-427-4954

LOG ID# 14734 15-January-2013 WO# 13003

N512Z S/N 955 CIRBUS SR22

HOBBS 906.8

TTPROP 1390.5

AVIATION, INC.

Pg 1 / 1

\*\*\* PROPELLER LOG BOOK \*\*\*

SEE AIRCRAFT LOG FOR AD'S COMPLIED WITH DURING THIS ANNUAL. DRESSED PROPELLERS. I CERTIFY THAT THIS AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.

MAINTENANCE RELEASE.

THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#13003 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

*Daniel L Kendall*

Signed DK7R795J FOR DLK/AVIATION, INC.

N512Z February 7, 2014 Tach: 1017.4 Hobbs: 3048.0

I certify that this propeller has been inspected in accordance with an Annual Inspection and found to be in an airworthy condition. AD's are listed in the AD compliance report.

*Scott Gerken*  
Scott Gerken  
3211721 A&P/IA

[illegible]

04/20/19 1819.1

Complied with annual EUST EAW 14 CFR & 43 App D.

Complied with AD research. All AD's complied w/ through this date.

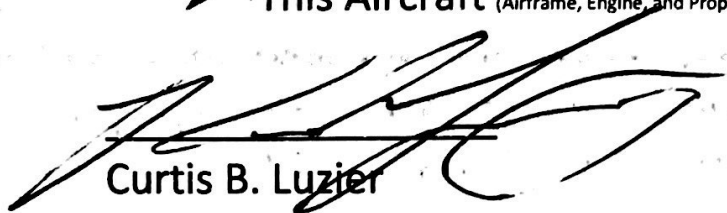
I certify that Propeller has been Inspected EAW FAR 43

App'd Annual Inspection & WAS DETERMINED TO BE IN

### A. RWOETHY CONDITION

CHRIS PHILLIPS *Chris Phillips* A+P/IA 2632568



Date	Proneller	A/C	Description of all operations pertaining to Airworthiness Directives
	N512Z		Cirrus SR22 S/N: 0955
			May 7, 2019
	AFTT: 1903.9		Tach: 1314.0
	<p>I certify the following work was performed in accordance with the Cirrus SR-22 AMM (dated DEC 15, 2014) and this aircraft (Airframe, Engine, and Prop) has been approved for return to service.</p> <p>The following work was performed:</p> <ul style="list-style-type: none"> <li>➤ Complied with the Cirrus SR-22 Scheduled <b>100 Hour Inspection</b> (Airframe, Engine, and Prop).</li> <li>➤ Installed new oil filter P/N CH48109-1</li> <li>➤ Drained oil and serviced with 8qts W100. Leak check with nil defects</li> <li>➤ Replaced and torqued 12 plugs P/N RHB32E.</li> <li>➤ Installed new bracket air filter</li> <li>➤ Serviced brake master cylinder</li> <li>➤ All FAA Airworthiness Directives complied with through this dated entry</li> <li>➤ This Aircraft (Airframe, Engine, and Prop) was found to be in Airworthy Condition at this time</li> </ul>		
	 Curtis B. Luzier A&P2688846		
	<div style="text-align: center;">END</div>		

N512Z

Cirrus SR22 S/N: 0955

May 7, 2019

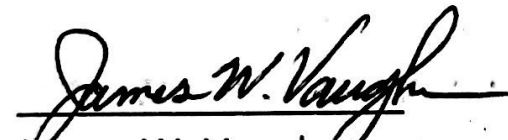
AFTT: 1903.9

Tach: 1314.0

I certify the following work was performed in accordance with the Cirrus SR-22 AMM (dated DEC 15, 2014) and this aircraft (Airframe, Engine, and Prop) has been approved for return to service.

The following work was performed:

- Complied with the Cirrus SR-22 Scheduled **Annual Inspection** (Airframe, Engine, and Prop).
- Installed new oil filter P/N CH48109-1
- Drained oil and serviced with 8qts W100. Leak check with nil defects
- Replaced and torqued 12 plugs P/N RHB32E.
- Installed new bracket air filter
- Serviced brake master cylinder
- All FAA Airworthiness Directives complied with through this dated entry
- This Aircraft (Airframe, Engine, and Prop) was found to be in Airworthy Condition at this time

  
James W. Vaughan

A&P/IA 1970280

END



DATE 12/12/2020<sup>19 01</sup> STEEL AVIATION INC  
ENGIN LOG

N512Z  
TACH 1338.8  
MAKE Cirrus

S/N 0955  
Hobbs 1934.7  
Model SR22

1. Removed Prop P/N PHC-J3Y1F-1R/F1693DFB  
S/N FP2841B for O/H.
2. Removed Engine P/N IO-550-N S/N 917265 for  
O/H.

A&P 3176242 Danny

Potter



of all operations pertaining to Airworthiness Dir  
ments, Overhaul, Major or Minor Repair, and I



**HARTZELL SERVICE CENTER**

One Propeller Place

Piqua, Ohio 45356 U.S.A



**March 10, 2020**

W/O:16950    S/N: FP2841B    TSN: 1934.7    TSO: 0.0

Pertinent details of the work performed are specified on the provided FAA  
Form 8130-3, Tracking Number MK73830, Dated 3-10-20.

Dan Davis Repairman #  
Repair Station # SJ3R843L

1. Approving Civil Aviation Authority/Country:  FAA/UNITED STATES		2.  <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number:  MK73830	
4. Organization Name and Address: Hartzell Service Center, One Propeller Place, Piqua, Ohio 45356-2634					5. Work Order/Contract/Invoice Number: 16950	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	AIRCRAFT PROPELLER	PHC-J3YF-1RF / F7693DFB	1	FP2841B	"OVERHAULED"	
12. Remarks: Overhauled, assembled, lubricated, static balanced, and inspected propeller. All work was performed in accordance with Hartzell manuals 113B-R46, 127-R14, 133C-R38, 159-R70, 180-R31, 202A(Vol. 1-R57, Vol. 2-R31, Vol. 3-R38, Vol. 6-R35, Vol. 7-R49, Vol. 8-R33, Vol. 9-R31, Vol. 10-R36, Vol. 11-R36), Hartzell Service Bulletins HC-SB-61-118F-R1, HC-SB-61-136-RI, HC-SB-61-364, and HC-SB-61-374-R1. Hartzell Service Letters HC-SL-61-61Y-R12, HC-SL-30-259-R14, HC-SL-30-260-R22, HC-SL-61-267 HC-SL-61-282-R1, HC-SL-61-293-R1, HC-SL-61-329, HC-SL-61-354, HC-SL-61-366. For component serial numbers and times reference form # 25. See the airworthiness limitations section of Hartzell Owners' manual 115N for airworthiness limits information. Pertinent details of the work performed are on file at this agency under Work Order 16950. Certifies that the work specified in Block 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.145.4516. -----END-----						
13a. <del>Certifies the items identified above were manufactured in conformity to:</del>  <input type="checkbox"/> <del>Approved design data and are in condition for safe operation.</del> <input type="checkbox"/> <del>Non approved design data specified in Block 12.</del>			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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. <del>Authorized Signature:</del>		13c. <del>Approval/Authorization No.:</del>	14b. Authorized Signature: 		14c. Approval/Certificate No.:  SJ3R843L	
13d. <del>Name (Typed or Printed):</del>		13e. <del>Date (dd/mmm/yyyy):</del>	14d. Name (Typed or Printed):  Dan Davis		14e. Date (dd/mmm/yyyy):  10 Mar 2020	
<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 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 aircraft engine(s)/propeller(s)/article(2) 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.						

**HARTZELL SERVICE CENTER  
COMPONENT SERIAL NUMBER AND TIME RECORD**

FAA Form 8130-3 Tracking Number:           MK73830           Date:           March 10, 2020          

Model           PHC-J3YF-1RF/F7693DFB           Customer:           STEEL AVIATION          

Part	Serial Number	TSN	TSO	Airworthiness Limitations	W/O#
Propeller Assembly	FP2841B	1934.7	0.0		16950
Hub	A70306B	1934.7	0.0		16950
Blade	K02900	1934.7	0.0		16950
Blade	K02917	1934.7	0.0		16950
Blade	K02916	1934.7	0.0		16950
Blade					
Blade					
Blade					
Clamp					
Clamp					
Clamp					
Clamp					
Clamp					
Clamp					
PC Bracket					
PC Bracket					
PC Bracket					
PC Bracket					
PC Bracket					
PC Bracket					
Beta Ring					
Slip Ring					
Bulkhead	FJ-4691C				16950
Fork	NE176				16950
Pitch Change Rod					
Cylinder	E19673				16950
Hydraulic Unit					
Cylinder Clamp					
Piston					

Hartzell Service Center  
Repair Station # SJ3R843L

Assembly Inspection Check-off Record

COMPACT PROPELLER

Overhaul ☒ Repair ☐ KD ☐ Experimental ☐

Prop S/N F2841B Model PHC-337F-1RF W/O No. 16950

Serialized Parts

Hub Part No. <u>E-7156-4R</u>	Bulkhead S/N <u>F3-461C</u>	Blade Des. <u>F76930FB</u>
Hub S/N. <u>A70306B</u>	Slip/Slinger Ring S/N <u>—</u>	Blade S/N
Fork Ser. No. <u>NE176</u>	Cylinder S/N <u>E19673</u>	#1 <u>K02900</u>
Piston Ser. No. <u>—</u>		#2 <u>K02917</u>
		#3 <u>K02916</u>
		#4 <u>—</u>

Assembler

IDS# 2423 Counterweight P/N —

Check for Leaks ☒ Check Feather Angle (Record Angle) —°

Assembled By: [Signature] Date: 3-6-20

Bench Check

Blade Angles Checked at 30" Radius Low Pitch 13.9° High Pitch 39.9°

Friction ok Functional Test ok Reverse Pitch —°

Track/Length (Aluminum .125" max)(Composite .250" max.) T ok L ok

Verified By: DD Date: 3-9-20

Static Balance

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

Balanced By: [Signature] NYCO ☒ Aeroshell — Lubricated By: [Signature]

Final Inspection

Mounting Hardware and Dimensional Checks		
<b>"F" Flange Only</b>	<b>"L" Flange Only</b>	<b>"N" Flange Only</b>
(6) A-1381 Washers <input checked="" type="checkbox"/>	(4) B-6489-25 Bolts <u>—</u>	(8) A-3257 Nuts <u>—</u>
(6) A-2044 Lock Nuts <input checked="" type="checkbox"/>	(4) B-6526-7 Washers <u>—</u>	(8) A-2048-2 Washers <u>—</u>
(6) A-2429-3,4,5,7 Studs <u>—</u>	(2) A-2247-1 Stud <u>—</u>	(8) A-3254 Studs <u>—</u>
Torqued 25 ft.lbs. <input checked="" type="checkbox"/>	(2) A-2498 Nut <u>—</u>	Torqued 35 ft. lbs. <u>—</u>
Mtg Stud Protrusion <input checked="" type="checkbox"/>	(2) A-2482 Washer <u>—</u>	Mtg Stud Protrusion <u>—</u>
Dowel Pin Protrusion <input checked="" type="checkbox"/>		Dowel Pin Protrusion <u>—</u>
		C-3317-230 O-Ring <u>—</u>
<b>"D" Flange Only</b>	<b>"K,R" Flange Only</b>	
(8) A-2044 Nuts <u>—</u>	(6) A-2067 Stud <u>—</u>	
(8) A-7752 Spacer <u>—</u>	(6) A-1381 Washer <u>—</u>	
(2) A-7750 & (6) A-7749 <u>—</u>	(6) A-2069 Nut <u>—</u>	
Studs, Torque 25 ft lb <u>—</u>	(6) B-3842-0750 Pin <u>—</u>	
Mtg Stud Protrusion <u>—</u>		
Air Chamber Charged <u>—</u> PSI	Safeties <input checked="" type="checkbox"/>	Torque Sheet <input checked="" type="checkbox"/>
Inspected By: <u>DD</u>		

Spinner Mounting Kit  
A-2476- 2

De-ice System Check —  
Verify lead wire markings —

Date: 3-10-20

## HARTZELL SERVICE CENTER

<b>FAA Tracking #</b>	<u>MK73830</u>	<b>Work Order #</b>	<u>16950</u>	<b>Date</b>	<u>March 10, 2020</u>
				<b>Model</b>	<u>PHC-J3YF-1RF/F7693DFB</u>
<b>Customer</b>	<u>STEEL AVIATION</u>	<b>Warehouse:</b>	<u>4</u>		
<b>Ref:</b>	<u></u>	<b>Propeller Assembly</b>	<u>FP2841B</u>		

**Assembly Instructions:**  
**CUSTOMER PROPERTY OVERHAUL**

Part		Serial Number	Work Order Number
Hub		A70306B	16950
Blade		K02900	16950
Blade		K02917	16950
Blade		K02916	16950
Blade			
Blade			
Blade			
Clamp			
Clamp			
Clamp			
Clamp			
Clamp			
Clamp			
PC Bracket			
PC Bracket			
PC Bracket			
PC Bracket			
PC Bracket			
PC Bracket			
Beta Ring			
Slip Ring			
Bulkhead		FJ-4691C	16950
Pitch Change Fork		NE176	16950
Pitch Change Rod			
Cylinder		E19673	16950
Hydraulic Unit			
Cylinder Clamp			
Piston			

# PROPELLER LOG

11/18/2020



Make: **N75SA**  
CIRRUS  
Hobbs: 1934.7

S/N: 0955  
Model: SR22  
Tach:   
TTSOH: 0

1. C/W ANNUAL INSPECTION IN ACCODANCE WITH FAR 43  
APPENDIX D - USING HARTZELL / CIRRUS AMM AS A GUIDE.

2. INSTALLED O/H PROP P/NPHC-J3YF-1RF S/N FP2841B.  
See Hartzell W/O 16590.

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

A/P3343189I/A Kevin Pierron

Signed

WWW.STEELAVIATION.COM

g to Ai  
r Minc