

ifies
the

out
ca und

that
126."

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL PHC-JSMF-18F/F7693DFB

PROPELLER S/N FP 4200B

LOGBOOK # 1

1. Apprc

F

4. Orga

6. Item

1

12. R

OV

CC

AE

S/

S.

C

Full detail of the work specified in Block 11 is on the work

Scanned with CamScanner

HARTZELL PROPELLER INC
INSPECTION




Part Number: J3F00052

Date: 10/26/2005

Work Order #: M212750

Model Number PHC-J3YF-1RF/F7693DFB						
Ass'y Ser No. FP4200B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA
Blade 1 K29432		Blade 2 K29428		Blade 3 K29429		Blade 4
Blade 5		Blade 6				
Carton No.	Lbs.	Weight	Kilos	Height	Width	Length
Packing						
Comments: Deice Kit: NA IDS # 2423 10-19-05 Spinner Mounting Kit: A2476-7						
13.9 L.P./S.L. @ 30" Radius						
Packing Certified By: <i>MTD</i>					Date: 10-26-05	

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

Part Number  14070-007 PROPELLER/MNTG, S/N. . KIT, 3 BLADE, DF, SR22,	
Serial Number 	
Receiver Number  268485	
Qty: 1	PO #: 54058
Receipt Date 11/07/05	

PROPELLER MAINTENANCE RECORD

Position _____

PITCH RANGE

Propeller Model PHC-34E1BE/K7693DEB

High/~~Feather~~ 40.0°

Propeller S/N EP 41200B

Start Lock N/A

Blade Design _____

Low 13.85°

Blade S/N's

Reverse N/A

No. 1 K 29432

Aircraft Manufacturer Cirrus

No. 2 K 29428

Aircraft Model SR22

No. 3 K 29429

S/N 1711

No. 4 _____

Registration N222WH N717PC

No. 5 _____

No. 6 _____

Spinner Assembly Part No. _____

1. Appr

F
4. Orga

6. Item

1

12. F

OV

C

A

E

S

files
NAC

OUT
se und

mat
126.

PROP MODEL:
PHC-J3YF-1RF
PROP S/N FP4200B
REG NO 717pg
WORK ORDER:
12212-10-2008



Cirrus Design Factory Service Center

Repair Station No YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE 11/5/2008
A/C TSN 522 8
PROP TT 522 8
TSPOH 522 8
HOBBS 522 8

Prop Entries

(6) Performed propeller Annual/100HR inspection IAW cirrus mm chapter 5-20 and 5-30 ... (9) Researched ADs through bi-weekly issue 2008-21 all ADs are in compliance at this time ... (18) Lubricated propeller hub IAW Hartzell Owners Manual section Maintenance Practices ... (19) Dressed out minor nicks and erosion from propeller blades IAW cirrus mm chapter 61-10 and Hartzell Owners manual section Maintenance Practices ... (20) Conditioned propeller boots IAW standard maintenance practices ... (89) Dynamically balanced propeller IAW Hartzell Owner's Manual 115N section 61-00-15 and MicroVib balanceequipment instructions. locations of weights are 24 9g @ 70 degrees and 13 4g @ 190 degrees. Spinner installed sticker to sticker ... (104) I certify that this propeller has been inspected in accordance with a Annual/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: 11/5/2008

SIGNED: *Dave Ruuskanen*

Dave Ruuskanen
Certified Repair Station No. YD5R855Y

Work Order: 12212-10-2008

Printed by EBis 3 (datamedia.com)

Date: 12/10/2009; Aircraft: N717PG; Type: SR22; S/N: 1711; Hobbs: 642.5; Total Time: 642.5; Engine - Type: IO-550N27, S/N: 688948, Time: 642.5; Prop - Type: PHC-J3YF-1RF, S/N: FP4200B, Time: 642.5

Prop Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.

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

Doug Seibel 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	Propeller TSN TSO	A/C Hrs	Description of air operations per Service Documents, Overhaul, Major or Minor Repair, and Inspections.
			<p>Date: 1/14/2011; Aircraft: N717PG; Type: SR22; S/N: 1711; Hobbs: 700.9; Total Time: 700.9; Engine - Type: IO-550N27, S/N: 688948, Time: 700.9; Prop - Type: PHC-J3YF-1RF, S/N: FP4200B, Time: 700.9 ***Prop Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Kevin K. Fenske A&P2886592 IA</p> <p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p>  <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p>
			<p>Date: 2/07/2012; Aircraft: N717PG; Type: SR22; S/N: 1711; Hobbs: 772.6; Total Time: 772.6; Engine - Type: IO-550N27, S/N: 688948, Time: 772.6; Prop - Type: PHC-J3YF-1RF, S/N: FP4200B, Time: 772.6 ***Prop Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Doug Seibel A&P389765035 IA</p> <p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p>  <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p>

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 506771	
4. Organization Name and Address: AIRCRAFT PROPELLER SERVICE, INC. 290 LARKIN DRIVE WHEELING, IL 60090 EY2R811K				5. Work Order/Contract/Invoice Number: 109189 / RYV13-11540 w/attached pages 1 thru 1 Dated: 04/10/2013		
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	HARTZELL PROPELLER ASSEMBLY	PHC-J3YF-1RF/F7693DFB	N/A	1.00	FP4200B	OVERHAULED

13. Remarks:

OVERHAULED per: 113B R: 39 (6/1/2010), 126, 133C R: R27 (9/1/2011), 202A

COMPLIED WITH:

AD: 2007-26-09

S/B: SEE MANUAL 126

S/L: SEE MANUAL 126

OTHER: WAPA 001

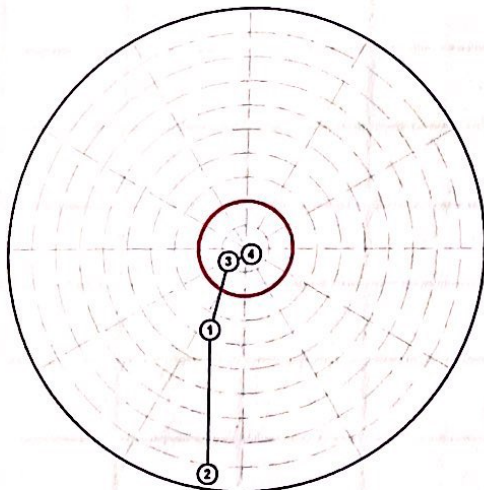
The next action required on this component is within 2,400 HOURS OR 72 MONTHS PER SL 61-61 Y R3.

	SERIAL #	TSN	TSO/TSMI
ASSEMBLY:	FP4200B	837.9	0.0
HUB:	FP4200B	837.9	0.0
BLADE 1:	K29428	837.9	0.0
BLADE 2:	K29429	837.9	0.0
BLADE 3:	K29432	837.9	0.0

Full detail of the work specified in Block 12 is on file within this agency.

ENG/PROP DYNAMICALLY BALANCED

— POLAR PLOT - 1.0 IN/S FS —



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Hartzell Service Instruction #115 and Chadwick Helmuth doc AW 9511-2 dated 12 June 1990 using DSS Microvib II equipment and application note AN-MV2 Prop Rev 00 1 July 2003. Initial IPS of .366 @ 2559 rpm reduced to .036 IPS @ 2561 rpm by installation of AN hardware balance weights on spinner rear bulkhead. Jim Barker A&P 2755069 Aviation Resources, LLC 101 Airport ave Hangar 7 Cumberland, WI 54829 Hangar (715) 822 5787 Cell (715) 491 1303 Jim@aviationvibes.com www.aviationvibes.com

N717PG Cirrus SR 22 G2 1711 998.9 Hrs

Cont/Hart 688948

Front



MicroVib II SN:1173 Cal:04/29/2014

Initial: 0.366 IN/S @ 2559.4 RPM Final: 0.036 IN/S @ 2561.1 RPM

Oper: _____

Date: 05/28/2014

Jim Barker A&P 2755069

Date		
	<p>Date: 6/13/2014; Aircraft: N717PG; Type: CIRRUS SR22; S/N: 1711; Hobbs: 134.0; Total Time: 973.9; Engine - Type: IO-550-N, S/N: 688948, Time: 973.9; Prop - Type: PHC-J3YF-1RF, S/N: FP4200B, Time: 973.9 PTSO: 133.8 ***Prop Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D. I certify that this propeller has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition Dan Stammen A&P 2636878 IA <i>Dan Stammen 2636878 IA</i></p>	
	<p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p>	
	<p></p>	
	<p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p>	
	<p>Date: 6/24/2015; Aircraft: N717PG; Type: CIRRUS SR22; S/N: 1711; Hobbs: 202.6; Total Time: 1042.5; Engine - Type: IO-550-N, S/N: 688948, Time: 1042.5; Prop - Type: PHC-J3YF-1RF, S/N: FP4200B, Time: 1042.5 Hobbs: 1088.1 Flight Hobbs: 202.6 PTSO: 133.8 ***Prop Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D. 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 <i>Doug Seibel A389765035</i></p>	
	<p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p>	
	<p></p>	
	<p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p>	

June 23, 2016

N717PG

CIRRUS SR22

S/N 1711

FLIGHT 288.0 Hrs Hobbs 1187.9 Hrs

CONTINENTAL

IO 550 N27

S/N 688948

HARTZELL

PHC-J3YF-1RF

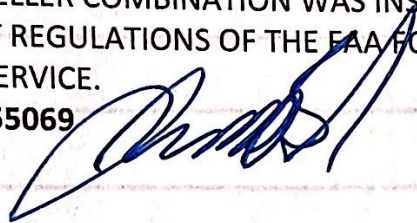
S/N FP4200B

Removed spinner. Inspected hub for cracks; no deficiency noted. Lubricated propeller hub with grease. Checked blades for freeplay; found satisfactory. Painted blade face as needed. Dressed leading edges. Reinstalled spinner.

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA

2755069



Hangar (715) 822 5787

Cell (715) 491 1303

Email jim@aviationvibes.com

AVIATION RESOURCES, LLC

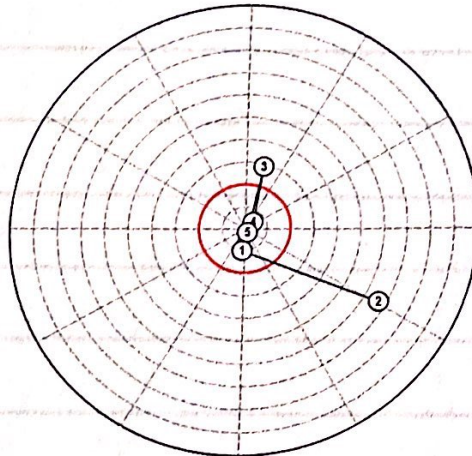
101 Airport Ave, Hangar #7

Cumberland, WI 54829

www.aviationvibes.com

ENGINE/PROP DYNAMICALLY BALANCED

— POLAR PLOT - 1.0 IN/S FS —



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Chadwick Helmuth doc AW 9511-2 dated 12 June 1990 using DSS MicroVib II equipment and application note AN-MV2 Prop Rev 00 1 July 2003. Initial IPS of .100 @ 2564 rpm reduced to .023 IPS @ 2568 rpm by installation of AN hardware balance weights on spinner rear bulkhead. Jim Barker A&P 2755069 Aviation Resources, LLC 101 Airport ave Hangar 7 Cumberland, WI 54829 Hangar (715) 822 5787 Cell (715) 491 1303 Jim@aviationvibes.com www.aviationvibes.com

N717PG Cirrus SR 22 1234 310.4 Hrs

Cont/Hart 917470

Front

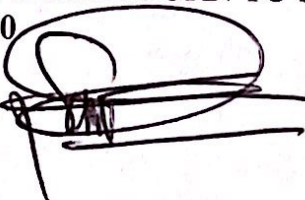
MicroVib II SN:1177 Cal:03/03/2016

Initial: 0.100 IN/S @ 2564.5 RPM Final: 0.023 IN/S @ 2567.7 RPM

Oper:

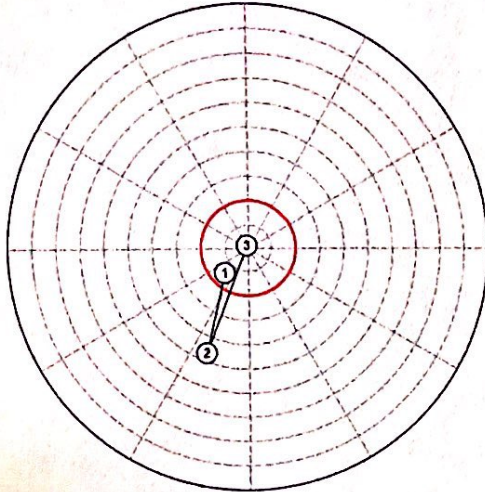
Date:09/20/2016

Jim Barker A&P 2755069

Date	Propeller TSN TSO		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.																		
				<p>July 27, 2017</p> <table border="0"> <tr> <td>N717PG</td> <td>CIRRUS SR22</td> <td>S/N 1711</td> <td>Flight 387.0 Hrs</td> <td>Hobbs 1315.4 Hrs</td> </tr> <tr> <td>Continental</td> <td>IO 550-N27</td> <td>S/N 688948</td> <td>Flight 387.0 Hrs</td> <td>Hobbs 1315.4 Hrs</td> </tr> <tr> <td>Hartzell</td> <td>PHC-J3YF-1RF</td> <td>S/N FP4200B</td> <td>Flight 387.0 Hrs</td> <td>Hobbs 1315.4 Hrs</td> </tr> </table> <p>Removed spinner. Inspected hub for cracks; no deficiency noted. Lubricated propeller hub with grease. Checked blades for free play; found satisfactory. Painted blade face as needed. Dressed leading edges. Performed a dynamic propeller balance. Initial IP/s .143 @ 2560 rpm reduced to 0.014 IP/s @ 2560 rpm by adding corrective weights on spinner rear bulkhead. Reinstalled spinner. (Refer to Job# 717PG9 for details)</p> <p>THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>OTIENO ODUOR A&P/IA 3265490 Hangar (715) 822 5787 Cell (715) 491 1303 Email otieno@aviationvibes.com</p>  <p>AVIATION RESOURCES, LLC 101 Airport Ave, Hangar #7 Cumberland, WI 54829 www.aviationvibes.com</p>				N717PG	CIRRUS SR22	S/N 1711	Flight 387.0 Hrs	Hobbs 1315.4 Hrs	Continental	IO 550-N27	S/N 688948	Flight 387.0 Hrs	Hobbs 1315.4 Hrs	Hartzell	PHC-J3YF-1RF	S/N FP4200B	Flight 387.0 Hrs	Hobbs 1315.4 Hrs
N717PG	CIRRUS SR22	S/N 1711	Flight 387.0 Hrs	Hobbs 1315.4 Hrs																		
Continental	IO 550-N27	S/N 688948	Flight 387.0 Hrs	Hobbs 1315.4 Hrs																		
Hartzell	PHC-J3YF-1RF	S/N FP4200B	Flight 387.0 Hrs	Hobbs 1315.4 Hrs																		

ENG/PROP DYNAMICALLY BALANCED

— POLAR PLOT - 1.0 IN/S FS —



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Hartzell Service Instruction #148, rev B dated Feb 07, 1992 and Chadwick Helmuth document AW 9511-2 dated 12 June 1990 using DSS Microvib II equipment and application note AN-MV2 Prop Rev. 00 1 July 2003. Initial IPS of .143 @ 2562 rpm reduced to .014 IPS @ 2542 rpm by the removal of existing balance weights and addition of AN hardware on spinner rear bulkhead.

Aviation Resources 101 Airport Ave
Hangar 7 Cumberland, WI 54829
Hangar: 715 822 5787 Cell: 715 491 1303 Email: jim@aviationvibes.com
www.aviationvibes.com

N717PG Cirrus SR 22 1711 387.0 Hrs

Cont/Hart 688948

Front of engine

MicroVib II SN:1177 Cal:03/10/2017

Initial: 0.143 IN/S @ 2562.3 RPM Final: 0.014 IN/S @ 2556.2 RPM

Oper: _____

Date:07/25/2017

Otieno Oduor A&P 3265490

August 13, 2018

N717PG

CIRRUS

S/N 1711

FLIGHT 484.9 Hrs

Hobbs 1441.6 Hrs

Continental

IO-550 N 27

S/N 689948

FLIGHT 484.9 Hrs

Hobbs 1441.6 Hrs

Hartzell

PHC-J3YF-1RF

S/N FP4200B

FLIGHT 484.9 Hrs

Hobbs 1441.6 Hrs

Removed spinner. Inspected hub for cracks; no deficiency noted. Lubricated propeller hub with grease. Checked blades for free play; found satisfactory. Dressed leading edges. Reinstalled spinner. Performed a dynamic propeller balance. Initial IPS .354 @ 2607 rpm reduced to .017 IPS @ 2565 rpm by adding corrective weights on spinner rear bulkhead. (Refer to Job #717PG18 for details.)

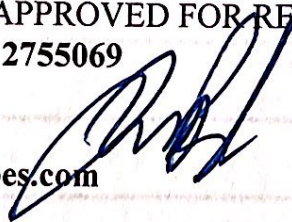
THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069

Hangar (715) 822 5787

Cell (715) 491 1303

Email jim@aviationvibes.com



AVIATION RESOURCES, LLC

101 Airport Ave, Hangar #7

Cumberland, WI 54829

www.aviationvibes.com

August 31, 2019

N717PG

CIRRUS SR22 NA S/N 1711

Hobbs 1566.2Hrs

Continental

IO-550 N 27 S/N 689948

TSOH 583.3 Hrs

Hobbs 1566.2 Hrs

Hartzell

PHC-J3YF-1RF S/N FP4200B

Hobbs 1566.2 Hrs

Removed spinner. Inspected hub for cracks; no deficiency noted. Lubricated propeller hub with grease. Checked blades for free play; found satisfactory. Dressed leading edges. Reinstalled spinner. (Refer to Job #717PG24 for details.)

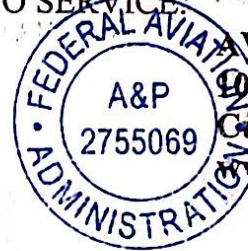
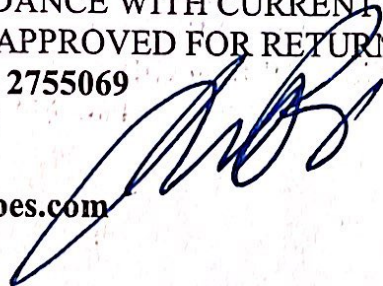
THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P/IA 2755069

Hangar (715) 822 5787

Cell (715) 491 1303

Email jim@aviationvibes.com



AVIATION RESOURCES, LLC

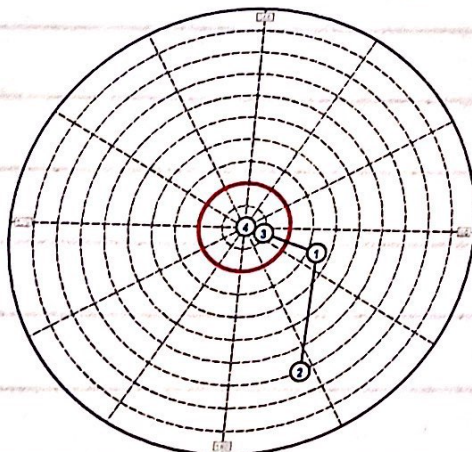
901 Airport Ave, Hangar #7

Cumberland, WI 54829

www.aviationvibes.com

ENGINE/PROP DYNAMICALLY BALANCED

— POLAR PLOT - 1.0 IN/S FS —



Operator Comments

Performed a dynamic propeller balance IAW FAA APPROVED Chadwick Helmuth doc AW 9511-2 dated 12 June 1990 using DSS Microvib II equipment and application note AN-MV2 Prop Rev 00 1 July 2003. Initial IPS of .339 @ 2560 rpm reduced to .008 IPS @ 2558 rpm by installation of AN hardware balance weights on spinner rear bulkhead. Jim Barker A&P 2755089 Aviation Resources, LLC 101 Airport ave Hangar 7 Cumberland, WI 54829 Hangar (715) 822 6787 Cell (715) 491 1303 Jim@aviationvibes.com www.aviationvibes.com

N717PG Cirrus SR 22 G2 1711 707.3 Hrs

IO 550 N

Front of engine

MicroVib II SN:1177 Cal:03/30/2020

Initial: 0.339 IN/S @ 2560.0 RPM Final: 0.008 IN/S @ 2557.7 RPM

Oper: _____

Date: 11/02/2020

Jim Barker

Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.

P R O P L O G E N T R Y

DATE	FLT- HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	TOTAL TIME	TSOH
Feb. 24, 2021	755.0 – 1761.7	Hartzell PHC-J3YF-1RF /F7693DFB	N717PG	FP4200B	1594.9	757.0

Removed the listed propeller above: Hartzell 3 blade PHC-J3YF-1RF s/n: FP4200B from airframe: Cirrus SR22, N717PG s/n: 1711 from Continental engine IO-550-N27 s/n: 689948, with the listed time and sent to Aircraft Propeller Service CRS: EY2R811K from inspection and overhaul.



Corey Marschke A&P 2716624

Propeller S/N	TSN	TSO
FP4200B	1594.9	0.0

This propeller has been serviced as per the 8130-3 tag dated 3/15/2021 under Work Order 137715

Aircraft Propeller Service, LLC.
Lake Zurich, Illinois

CRS EY2R811K

EASA.145.5126

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 612811	
4. Organization Name and Address: AIRCRAFT PROPELLER SERVICE, LLC 595 TELSER ROAD LAKE ZURICH, IL 60047 EY2R811K				5. Work Order/Contract/Invoice Number: 137715 / N717PG	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	HARTZELL PROPELLER ASSEMBLY	PHC-J3YF-1RF/F7693DFB	1.00	FP4200B	OVERHAULED

12. Remarks:
OVERHAULED per: 113B R: 47 (2/1/2021), 133C R: 39 (12/21/2020), 159 R: 74 (2/1/2021), 180 R: 35 (2/1/2021)

	SERIAL #	TSN	TSO/TSMI
ASSEMBLY:	FP4200B	1594.9	0.0
HUB:	FP4200B	1594.9	0.0
BLADE 1:	K29428	1594.9	0.0
BLADE 2:	K29429	1594.9	0.0
BLADE 3:	K29432	1594.9	0.0

COMPLIED WITH:
AD: NONE

S/B: 118FR1, 136R1, 281, 374R1

S/L: 177, 212R2, 217, 244, 267, 282R1, 348, 353, 354, 61YR12

OTHER: WAPA 001

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

P R O P L O G E N T R Y

DATE	FLT- HOBBS	MAKE/MODEL	N-NUMBER	SERIAL #	TOTAL TIME	TSOH
March 17, 2021	755.0 – 1761.7	Hartzell PHC-J3YF-1RF /F7693DFB	N717PG	FP4200B	1594.9	0.0

Reinstalled the listed propeller above after overhaul from Aircraft Propeller Service CRS# EY2R811K: Hartzell 3 blade PHC-J3YF-1RF s/n: FP4200B on airframe: Cirrus SR22, N717PG s/n: 1711, on Continental engine IO-550-N27 s/n: 689948, with the listed times. See previous log entry and FAA form 8130-3 for details, installed prop using new retaining hardware and washers, installation completed in accordance with Hartzell maintenance manual, torque 1/2" propeller mounting nuts dry to specified torque in table 3-2, figure 3-1 and figure 3-2. Ground ran engine and check for proper operation and static RPM, all post maintenance operational checks were found airworthy for return to service.



Corey Marschke A&P 2716624