

N174DL

**HARTZELL**

# PROPELLER LOGBOOK

PROPELLER MODEL PHC-JBYF-IN

PROPELLER S/N FP86096B

LOGBOOK # \_\_\_\_\_

# PROPELLER MAINTENANCE RECORD

Position ONE

PITCH RANGE

Propeller Model PHC-J39F-1N

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

Propeller S/N FP 86096B

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

Blade Design N7605B

Low \_\_\_\_\_

Blade S/N's

Reverse \_\_\_\_\_

No. 1 A 0452

No. 2 A 0454

Aircraft Manufacturer Cross Design

No. 3 A 0500

Aircraft Model TR02

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

S/N 2437

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

Registration N174DL

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

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



**North East Aero**

**97 Hangar RD Montgomery NY, 12549 (845) 457-1184**

**Cirrus Design SR22 N174DL S/N 2437**

**01, May 2008**

**Hobbs Time: 338.1      Air hobbs: 284.2**

**Hartzell PHC-J3YF-1N**

**S/N: FP86096B**

1. Completed Annual Inspection IAW Cirrus Design 100hr/Annual Inspection checklist.
2. Lubricated propeller as required.
3. Dressed blades as required.
4. Inspected spinner with no defects noted.
5. Completed AD list and complied with all outstanding AD's as required. Reference AD list dated 04/08.

***I certify this Propeller was inspected in accordance with  
an Annual Inspection and found to be in an airworthy condition.***

**James T. Markey 31668721A**





Date      Propeller TSN    TSO      A/C Hrs      Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.

**ADVANCED AIRCRAFT CENTER, INC.**  
 14300 SW 129<sup>TH</sup> STREET  
 MIAMI, FLORIDA 33186  
 PHONE # 305-259-8291

<b>Date:</b>	6/15/2009	<b>Total Time:</b>	508.8	<b>Flt Hobbs:</b>	508.8	<b>Hobbs:</b>	545.4
<b>Manufact:</b>	Hartzell	<b>Model:</b>	PHC-J3YF-1N	<b>Ser. No.:</b>	FP86096B	<b>Reg:</b>	N174DL

**PROPELLER ENTRY**

1. PERFORM ANNUAL/100HR INSPECTION PER THE CIRRUS SR22 INSPECTION MANUAL
2. AD 2007-26-09 TO PREVENT FAILURE OF THE PROPELLER BLADE FROM FATIGUE CRACKS IN THE ALUMINUM BLADE SHANK RADIUS, D/N/A PER PROPELLER BLADE S/N#'s
3. AD 2005-14-11 FAILED PROPELLER BLADE, D/N/A PER PROPELLER BLADE S/N#'s
4. AD 2001-07-03 PROPELLER OVERHAUL, D/N/A PER PROP NOT OVERHAULED
5. REPOSITION LEFT & RIGHT TKS TUBES TO PREVENT CHAFFING AT RIB
6. REPOSITION TKS NOZZLE AWAY FROM PROP BACK PLATE TO ALLOW FLOW OF TKS FLUID

**MAINTENANCE RELEASE**

THE PROPELLER IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY, UNDER FAR 43 APPENDIX "D" ANNUAL/100HR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. #DL51309  
 DATE: 6/15/2009

SIGNATURE OF AUTHORIZED REPRESENTATIVE:   
 FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP73543030IA

**ADVANCED AIRCRAFT CENTER, INC.**

14300 SW 129<sup>TH</sup> STREET  
MIAMI, FLORIDA 33186  
PHONE # 305-259-8291

<b>Date:</b> 5/17/2010	<b>Total Time:</b> 714.3	<b>Flt Hobbs:</b> 714.3	<b>Hobbs:</b> 735.9
<b>Manufact:</b> Hartzell	<b>Model:</b> PHC-J3YF-1N	<b>Ser. No.:</b> FP86096B	<b>Reg:</b> N174DL

**PROPELLER ENTRY**

1. PERFORMED ANNUAL/100HR INSPECTION PER THE CIRRUS SR22 INSPECTION MANUAL

**MAINTENANCE RELEASE**

THE PROPELLER IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY, UNDER FAR 43 APPENDIX "D" ANNUAL/100HR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER WORK ORDER NO. #DL041910  
DATE: 5/17/2010

SIGNATURE OF AUTHORIZED REPRESENTATIVE:



FOR: ADVANCED AIRCRAFT CENTER, INC. PETER J. LO BELLO AP73543030IA





14299 SW 127th St, Suite 101  
Miami, Florida 33186  
Ph: 305-259-8291 Fx: 305-259-8302

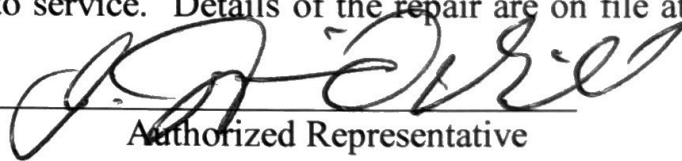
Date: 7/18/2012; Aircraft: N174DL; Type: Cirrus SR22; Hobbs: 916.80; Total Time: 880.70; Prop - Type: PHC-J3YF-1N, S/N: FP86096B

1) Perform Annual/100Hr Inspection I/A/W The Cirrus SR22 Maintenance Manual

THE PROPELLER IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY UNDER FAR 43 APPENDIX "D" ANNUAL/100HR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 12-1609 DATE: 7/18/2012

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP735430361A

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
				<b>Air 88 Inc. dba CROWNAIR</b> <b>FAA Approved Repair Station #CWNR273K</b> <b>3753 John J. Montgomery Dr.</b> <b>San Diego, CA 92123</b>
	Hartzell Propeller N174DL 8-06-13		PHC-J3YF-1N Cirrus SR22 Hobbs: 1011.8 Hrs	S/N: FP86096B S/N: 2437 Flight Hour Meter: 964.2 Hrs
	<b><u>Maintenance performed:</u></b>			
	- Completed <b>Annual Inspection</b> using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.			
	I certify that this <b>propeller</b> has been inspected in accordance with an <b>Annual Inspection</b> and was determined to be in airworthy condition.			
	I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-13-06219.			
				 Authorized Representative

Air 88 Inc. dba CROWNAIR  
FAA Approved Repair Station #CWNR273K  
3753 John J. Montgomery Dr.  
San Diego, CA 92123

Hartzell Propeller  
N174DL  
8-14-14

PHC-J3YF-1N  
Cirrus SR22  
Hobbs: 1149.9 Hrs

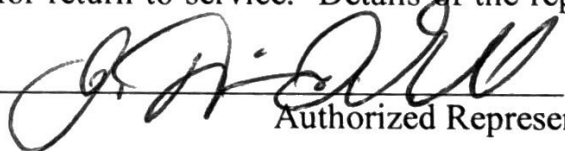
S/N: FP86096B  
S/N: 2437  
Flight Hour Meter: 1103.7 Hrs

**Maintenance performed:**

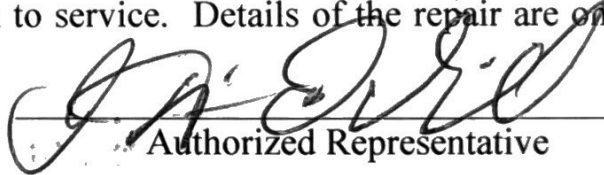
- Completed **Annual Inspection** using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.

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

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-14-06670.

  
Authorized Representative



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><b>Air 88 Inc. dba CROWNAIR</b>  <b>FAA Approved Repair Station #CWNR273K</b>  <b>3753 John J. Montgomery Dr.</b>  <b>San Diego, CA 92123</b></p>
	Hartzell Propeller N174DL 9-08-15	PHC-J3YF-1N Cirrus SR22 Hobbs: 1206.6 Hrs	S/N: FP86096B S/N: 2437 Flight Hour Meter: 1162.8 Hrs
	<b><u>Maintenance performed:</u></b>		
	<ul style="list-style-type: none"> <li>- Completed <b>Annual Inspection</b> using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.</li> <li>- Lubricated propeller hub with Aeroshell #6 grease.</li> </ul>		
	I certify that this <b>propeller</b> has been inspected in accordance with an <b>Annual Inspection</b> and was determined to be in airworthy condition.		
	I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-15-07301.		
			 Authorized Representative

**Air 88 Inc. dba CROWNAIR**  
**FAA Approved Repair Station #CWNR273K**  
**3753 John J. Montgomery Dr.**  
**San Diego, CA 92123**

Hartzell Propeller  
N174DL  
9-19-16

PHC-J3YF-1N  
Cirrus SR22  
Hobbs: 1225.2 Hrs

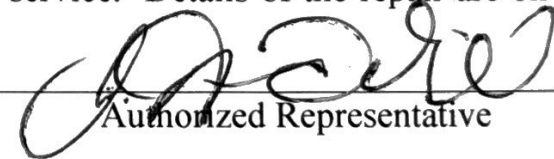
S/N: FP86096B  
S/N: 2437  
Flight Hour Meter: 1182.6 Hrs

**Maintenance performed:**

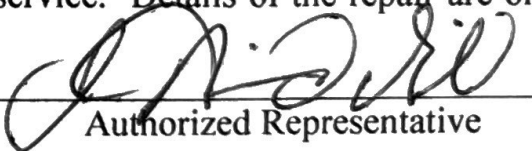
- Completed **Annual Inspection** using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105.

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

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-16-07755.

  
Authorized Representative



Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
				<b>CROWNAIR</b> <b>FAA Approved Repair Station #CWNR273K</b> <b>3753 John J. Montgomery Dr.</b> <b>San Diego, CA 92123</b>
	Hartzell Propeller N174DL 10-16-17		PHC-J3YF-1N Cirrus SR22 Hobbs: 1249.8 Hrs	S/N: FP86096B S/N: 2437 Flight Hour Meter: 1207.9 Hrs
	<b><u>Maintenance performed:</u></b>			
	<ul style="list-style-type: none"> <li>- Completed <b>Annual Inspection</b> using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105. Researched ADs through bi-weekly issue of this date, all ADs are in compliance at this time.</li> <li>- Lubricated propeller hub with Aeroshell #6 grease.</li> </ul>			
	I certify that this <b>propeller</b> has been inspected in accordance with an <b>Annual Inspection</b> and was determined to be in airworthy condition.			
	I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-17-08123.			
				 Authorized Representative

**CROWNAIR**  
**FAA Approved Repair Station #CWNR273K**  
**3753 John J. Montgomery Dr.**  
**San Diego, CA 92123**

Hartzell Propeller  
N174DL  
12-21-18

PHC-J3YF-1N  
Cirrus SR22  
Hobbs: 1267.6 Hrs

S/N: FP86096B  
S/N: 2437  
Flight Hour Meter: 1226.9 Hrs

**Maintenance performed:**


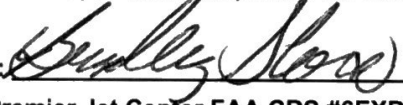
- Completed **Annual Inspection** using Crownair Aviation Annual/100 Hour Inspection Checklist, Form CA 105. Researched ADs through bi-weekly issue of this date, all ADs are in compliance at this time.
- Lubricated propeller hub with Aeroshell #6 grease.

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

I certify that only the work requested by the owner/operator and listed above was repaired and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service. Details of the repair are on file at this agency under Work Order No. PA-18-08418.

  
\_\_\_\_\_  
Authorized Representative

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

Date	Propeller TSN	TSO	A/C Hrs	
				Flying Cloud Airport 14801 Pioneer Trail Eden Prairie, MN 55347 PH: 952-641-2020
	A/C Make/Model: Cirrus SR22 A/C S/N: 2437 Propeller Model: PHC-J3YF-1N Propeller S/N: FP86096B		N174DL 12-26-2019 Work Order 12834	Flight Hobbs: 1296.2 ACTT: 1296.2 Prop TT: 1296.2 Hobbs: 1325.9
	Completed the following <b>Propeller</b> Maintenance and/or Inspection(s):			
	<b>Inspections:</b>			
	<ul style="list-style-type: none"> <li>Complied with a 100 hour inspection this date referencing Cirrus SR22 MM 5-20 inspection report and FAR 43 Appendix D.</li> </ul>			
	<b>Time Limited Items:</b>			
	<ul style="list-style-type: none"> <li></li> </ul>			
	<b>AD's &amp; Service Bulletins:</b>			
	<ul style="list-style-type: none"> <li>Reviewed AD's through Bi-Weekly 2019-26</li> </ul>			
	<b>Maintenance &amp; Service Items:</b>			
	<ul style="list-style-type: none"> <li>Post maintenance operational and leak check satisfactory.</li> </ul>			
	I certify that the propeller above was inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition and is approved for return to service with respect to the work performed. Pertinent details of this repair and/or inspection are on file at this repair station under <b>Work Order # 12834</b>			
	Dated <u>12-26-2019</u>			
	Authorized Signature: 		Bradley S Corso	
	For Premier Jet Center FAA CRS #6EXR899B			
	----- End -----			



Flying Cloud Airport  
14801 Pioneer Trail  
Eden Prairie, MN 55347  
PH: 952-641-2020

**A/C Make/Model: Cirrus SR22**  
**A/C S/N: 2437**  
**Propeller Model: PHC-J3YF-1N**  
**Propeller S/N: FP86096B**

**N174DL**  
**1/13/2021**  
**Work Order 13603**

**Hobbs: 1433.4**  
**ACTT: 1411.5**  
**Prop TT: 1411.5**  
**Prop TSMOH: 0**

Completed the following **Propeller** Maintenance and/or Inspection(s):

**Inspections:**

- Completed Annual inspection this date referencing Cirrus SR-22 AMM 5-20 and FAR 43 Appendix D.

**Time Limited Items:**

- Removed Propeller P/N PHC-J3YF-1N S/N FP86096B. Reinstalled propeller PN PHC-J3YF-1N SN FP86096B after overhaul by Maxwell aircraft services CRS UF2R211L WO 125128 01/05/2021. Ref. SR22 MM 61-10.
- Removed prop governor PN C2900D3-R/T23 SN 061630. Installed overhauled propeller governor P/N:C2900D3-R/T23 S/N: 061630 Reference Maxwell Aircraft Service CRS UF2R211L W/O: 125129 12/15/2020. Operational and leak check satisfactory. Reference Cirrus SR-22 AMM 61-20.

**AD's & Service Bulletins:**

- Reviewed AD's and SB's through Bi-Weekly 2021-01

**Maintenance & Service Items:**

- Post maintenance operational and leak check found to be satisfactory.

I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and was determined to be in airworthy condition and is approved for return to service with respect to the work performed. Pertinent details of this repair and/or inspection are on file at this repair station under **Work Order # 13603 Dated 1/13/2021**

Authorized Signature:  Bradley S Corso

For Premier Jet Center FAA CRS #6EXR899B

----- End -----





4535 Airport Approach Rd. Duluth, MN 55811  
(218) 727-2911  
Cirrus Authorized Service Center

Date: 4/28/2023; Aircraft: N174DL; Type: SR22; S/N: 2437; Hobbs: 1586.9; Total Time: 1537.0; Prop - Type: PHC-J3yf-1N, S/N: FP86096B, Time: 1537.0, SMOH: 1537.0

Shop Order #: 23-11700

Performed Annual / 100 Hour Inspection of propeller in reference to CDC AMM 5-20. Researched prop AD's thru current bi-weekly 2023-08. Inspected and Lubricated propeller hub in reference to CDC AMM 61-10 and Hartzell Owner's Manual, Maintenance Practices.

Removed propeller governor and sent in for repair to maxwell aircraft services under W.O.# 127176. Re-installed repaired governor P/N C290D3R/T23 S/N 061630. Installed governor with new gasket. Leak and ops check ok.

I certify that this Propeller has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

Signature: \_\_\_\_\_

*James Imberg*  
James Imberg A&P 2751176 *JA*

1. Approving Civil Aviation Authority/Country: FAA/United States	<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 127176
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4. Organization Name and Address: MAXWELL AIRCRAFT SERVICE, INC. 5800 CRYSTAL AIRPORT ROAD MINNEAPOLIS, MN 55429	5. Work Order/Contract/Invoice Number: 127176
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6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	McCAULEY PROPELLER	C290D3R/T23	1	061630	REPAIRED

12. Remarks:

INSPECTED AND REPAIRED GOVERNOR ONLY AS NEEDED (LEAKING FROM RELIEF VALVE) IN ACCORDANCE WITH McCAULEY GOVERNOR MANUAL 780401 REVISION 8.

\*\*\*\*NOTE: WORK PERFORMED ON THIS REPAIR ORDER CANNOT BE CONSIDERED AN OVERHAUL\*\*\*\*

13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a 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 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.
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13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature: <i>Conrad E Maxwell</i>	14c. Approval/Certificate No.: UF2R211L
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): CONRAD E. MAXWELL 2386511	14e. Date (dd/mmm/yyyy): APRIL 10, 2023

**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.

