

**HARTZELL**

**N445CD**

Clark Aviation

# **PROPELLER OWNER'S MANUAL**



# HARTZELL PROPELLER INC

INSPECTION

Item Number: J3F20500

Date: 4/20/2007

Work Order #: M513340

Model Number PHC-J3YF-1N/N7605B												
Ass'y Ser No. FP5666B			Hydr Unit No. NA		Bulkhead No. NA			Valve No. NA				
Blade 1 A0682		Blade 2 A0683		Blade 3 A0680		Blade 4		Blade 5		Blade 6		
Reverse NA	Start Lock NA	Low Pitch 12.4	High Pitch 35.0	Feather NA		Position	Orient.	Qty:Al	St	Scrw	A-2424-1	Washer
Ref Radius (inches) for angles: 30						1	L	0	0	2	0	0
						2	T	0	0	2	0	0
Comments: Deice Kit: NA												
Packing Certified By: <i>P.D.</i>					Date: <i>4/20/07</i>							

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

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Hartzell Pr  
**YOU MU**  
to receive u  
information

**N445CD**

**DLK Aviation**

**HARTZELL**

# **PROPELLER LOGBOOK**

PROPELLER MODEL PHC-T334F-1A1

PROPELLER S/N FP56665

LOGBOOK # 1

## PROPELLER MAINTENANCE RECORD

Position One

PITCH RANGE

Propeller Model PHC-JBYF-1N

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

Propeller S/N FP 5666B

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

Blade Design N7605B

Low \_\_\_\_\_

Blade S/N's

Reverse \_\_\_\_\_

No. 1 A 0682

No. 2 A 0683

Aircraft Manufacturer Cirrus Design

No. 3 A 0680

Aircraft Model SR22

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

S/N 2504

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

Registration N377SR

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

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

[illegible]

PROP MODEL:  
PHC-J3YF-1N/N7605B  
PROP S/N: FP5666B  
REG. NO: N377SR  
WORK ORDER: 23167

**American Aircraft Maintenance, Inc.**

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 8/22/2007  
A/C TSN: 115  
PROP TT: 115  
HOBBS: 115

**Prop Entries**

Complied with an Annual/100 HR inspection as per Manufacturer's Service and/or Maintenance Manual. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2007-17.... Dressed leading edge and painted propeller face.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 8/22/2007

SIGNED: 

Work Order: 23167

Printed by EBis 3 (datcomedia.com)

PROP MODEL:  
PHC-J3YF-1N/N7605B  
PROP S/N: FP5666B  
REG. NO: N377SR  
WORK ORDER: 23497

**American Aircraft Maintenance, Inc.**

Repair Station No. Z5SR421Y  
19711-B Campus Drive  
Santa Ana, CA 92707  
Phone: (949) 852-8420

DATE: 2/19/2008  
A/C TSN: 397.9  
PROP TT: 397.9  
HOBBS: 397.9

**Prop Entries**

Complied with an Annual inspection as per Manufacturer's Service and/or Maintenance Manual. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2008-02.... Dressed leading edge and painted propeller face.... AD2007-26-09 complied with by manufacturer.



THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 2/19/2008

SIGNED: 

Work Order: 23497

Printed by EBis 3 (datcomedia.com)

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
			<div style="float: left; width: 30%;"> <p>PROP MODEL: PHC-J3YF-1N PROP S/N: FP5666B REG. NO. 377sr WORK ORDER: 12493-01-2009</p> </div> <div style="float: right; width: 30%; text-align: center;">  <p><b>Cirrus Design Factory Service Center</b> Repair Station No. YD5R855Y 4514 Taylor Circle Duluth, MN 55811 Phone: 218- 788-3438</p> </div> <div style="clear: both;"></div> <div style="text-align: right; margin-top: -20px;"> <p>DATE 1/29/2009 A/C TSN 796 2 PROP TT 796 2 HOBBBS 796 2</p> </div> <hr/> <p><b>Prop Entries</b></p> <p>(12) Flight meter 710.3 - Performed propeller Annual/100HR inspection IAW cirrus mm chapter 5-20 and 5-30 ... (15) Researched propeller ADs through bi-weekly issue 2009-02 All ADs are in compliance at this time.... (24) Lubricated propeller hub IAW Hartzell Owners Manual section Maintenance Practices .... (26) Conditioned propeller boots IAW standard maintenance practices.... (32) Hartzell Propeller Alert Service Bulletin HC-ASB-61-306 Propeller Blade Inspection. Hub Assembly S/N Installed FP5666B is not effective per table 1 of Alert S.B. Area looked at with no abnormalities noted (85) Removed and replaced all (3) deice boots. Done IAW CDC AMM 30-60 ... (86) Balanced propeller IAW AMM ch. 61-10, Hartzell Owners Manual and Micro Vib 2 instructions, added 8 7 grams at location 330, for an IPS reading of .057 ... (105) I certify that this propeller has been inspected in accordance with a 100HR/Annual inspection and was determined to be in airworthy condition</p> <p>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.</p> <div style="margin-top: 20px;"> <div style="float: left; width: 30%;"> <p>DATE: 1/29/2009</p> </div> <div style="float: right; width: 40%; text-align: center;"> <p>SIGNED:  Mike McGinn Certified Repair Station No. YD5R855Y</p> </div> <div style="clear: both;"></div> </div> <div style="text-align: right; margin-top: 20px;"> <p>Work Order: 12493-01-2009 Printed by EBis 3 (datcomedia.com)</p> </div>

**LEADING EDGE**

AVIATION SERVICES, INC.

**Tampa, FL**



AUTHORIZED SERVICE CENTER

Date: 2/19/2010; Aircraft: N377SR; Type: CIRRUS; S/N: 2504; Hobbs: 912.9; Total Time: 824.5; Prop - Type: PHC-J3YF-1N, S/N: FP5666B, Time: 824.5, SMOH: 824.5

- Complied with Cirrus 100 hour inspection checklist.
- Inspected Propeller for cracks, leaks, and abrasions.
- Verified AD compliance through Bi-weekly issue 2010-03
- Work performed with reference to Cirrus SR-22 AMM.

I certify this propeller has been inspected in accordance with a 100hour inspection with reference to Cirrus AMM and is found to be in airworthy condition at this time.

Steve Miller

A&P 2700197IA

6582 Eureka Springs Rd. Tampa, FL 33610

Tampa Executive Airport (KTPX) 813 626 1515

[illegible]

**DLK****AVIATION, INC.**

2601 Cessna Lane Kennesaw, GA 30144 770-427-4954  
LOG ID# 15090 07-June-2013 WO# 13144  
N445CD S/N 504 CIRRUSS SR22  
HOBBS 887.8  
TTPROP 887.8

Pg 1

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

SEE AIRCRAFT LOG FOR AD'S COMPLIED WITH DURING THIS ANNUAL. ADDED HEAT SHRINK TO TKS FEED TUBES.  
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#13144 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF  
THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

*Donal L. Kendall*  
Signed DK7R795J FOR DLK AVIATION, INC.

[illegible]

TSN T50

2/5/14 952.2 -0

02/05/2014  
Overhaul  
Service Center  
Hartzell Propeller  
Rev. 39, 135F  
Bulletins:  
Service Letters  
268 Rev. 1  
with Hartzell  
Maxwell  
Minneapolis  
CRS# UF2  
Repair Order

1. Approving National Aviation  
Authority/Country:

FAA/UNITED STATES

2.

## AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

119076

4. Organization Name and Address:

MAXWELL AIRCRAFT SERVICE, INC.  
5800 CRYSTAL AIRPORT ROAD  
MINNEAPOLIS, MN 55429

5. Work Order/Contract/Invoice  
Number:  
119076

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	HARTZELL PROPELLER	PHC-J3YF-1N/N7605	N/A	1	FP-5666B	OVERHAULED

## 13. Remarks:

BLADE SERIAL NUMBERS: A0680, A0682 AND A0683.  
OVERHAULED PROPELLER WITH BLADES OVERHAULED BY HARTZELL SERVICE CENTER W.O. 6130 WORK COMPLIED IN ACCORDANCE WITH HARTZELL PROPELLER MANUALS: 113B  
REVISION 40, 135F REVISION 19, 159 REVISION 39, 180 REVISION 17 AND 183 REVISION 2.  
COMPLIED WITH HARTZELL BULLETINS: 306 REVISION 3 AND 319.  
COMPLIED WITH HARTZELL SERVICE LETTERS: 61Y REVISION 4, 189 REVISION 2, 229 REVISION 2, 244, 267, 268 REVISION 1, 278 293 REVISION 1, 294 REVISION 1 AND 332.  
COMPLIED WITH HARTZELL INSTRUCTIONS: 152A.

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.  
☐ Non-approved design data specified in Block 13.

19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13

Certifies that unless otherwise specified in block 13, the work identified in Block 12  
and described in Block 13 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.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No.:  
UF2R211L

17. Name (Typed or Printed):

18. Date:

22. Name (Typed or Printed):

CONRAD E. MAXWELL 2386511

23. Date (m/d/y):  
FEBRUARY 5, 2014

## User/Installer Responsibilities

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 parts/components/assemblies from the airworthiness authority of the country specified in  
Block 1.

Statements in Blocks 14 and 19 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.

FAA Form 8130-3 (6-01)

\*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

Date

Date 4/20/2017

W/O# 15878



# Propeller Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N445CD

S/N 2504

Tach / Flight 1293.8

TTAF 1293.8

Prp TSN 1293.8

Prp TSO 341.6

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

*I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed*

*Shawn Matthies AWKR298C*

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.*

*Pertinent details of the repair are on file at this agency: Signed:*

*Shawn Matthies AWKR298C*

Date 5/3/2018

W/O# 16803



# Propeller Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N445CD

S/N 2504

Tach / Flight 1379.1

TTAF 1379.1

Prp TSN 1379.1

Prp TSO 426.9

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

*I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed*

*Shawn Matthies AWKR298C*

*The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.*

*Pertinent details of the repair are on file at this agency: Signed:*

*Shawn Matthies AWKR298C*

wo: WO\_1635

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Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

**N445CD**

Tach: 1462.4

**Hartzell, PHC-J3YF-1N, S/N: N7605B**

TSN: 1462.4

Hobbs: 1550.7

**May 30, 2019**

1. Performed Annual Inspection per Sierra Aero LLC Inspection Checklist. Visually inspected propeller blades, hub and spinner, no discrepancies noted. Lubricated per AMM.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO\_1635.

Jeffrey Fay IA 2679315 

wo: WO\_2261

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Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

**N445CD**

Hobbs: 1526.6

**Hartzell, PHC-J3YF-1N, S/N: N7605B**

Flight hobbs: 1615.0

**June 5, 2020**

1. Performed Annual Inspection per Sierra Aero LLC Inspection Checklist. Visually inspected propeller blades, hub and spinner, no discrepancies noted. Lubricated per AMM.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO\_2261.

Taylor Good IA 3529105 

wo: WO\_2943

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Sierra Aero LLC - 10356 Truckee Airport Rd, Hangar #1 - Truckee, CA 96161 - 530-359-8751

**N445CD**Flight Hobbs:  
1663.3**Hartzell, PHC-J3YF-1N, S/N: N7605B**

TSN: 1663.3

hobbs: 1574.9

**July 14, 2021**

1. Performed Annual Inspection per Sierra Aero LLC Inspection Checklist. Visually inspected propeller blades, hub and spinner, no discrepancies noted. Lubricated per AMM.

I certify that this PROPELLER has been inspected IAW an ANNUAL inspection and found airworthy on this date. -END- Details of work performed are on file with Sierra Aero LLC under work order: WO\_2943.

Taylor Good IA 3529105 

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