

**HARTZELL**

# PROPELLER LOGBOOK

CIRRUS SR22T  
N273 DT

SER # 22T-0652

PROPELLER MODEL PHC-J3Y1F-1N

PROPELLER S/N NJ 816B

LOGBOOK # 1

THIS SERVICE RECORD shall accompany the propeller equipment at all times. When equipment is installed as part of an Aircraft or engine, this record shall be maintained concurrently with and become a part of the Aircraft and Engine Service Records.

18612 25032

### PROPELLER MAINTENANCE RECORD

Position ONE

Propeller Model PHGJ3Y1F-1N

Propeller S/N NJ816B

Blade Design N7605B

Blade S/N's

No. 1 A7656

No. 2 A7690

No. 3 A7704

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

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

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

### PITCH RANGE

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

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

Low \_\_\_\_\_

Reverse \_\_\_\_\_

Aircraft Manufacturer Cirrus Design Corp

Aircraft Model SR22T

S/N 0652

Registration N273DT

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

[illegible]

|                                                                                                                                                                                                                                                                                                                     |                                                                                                 |                                      |                                         |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|----------------------|
|                                                                                                                                                                                                                                | <b>Glendale Aero Services</b><br>6841 N. Glen Harbor Blvd<br>Glendale, AZ 85307<br>623-414-4930 |                                      | Registration: <b>W258KS</b>             | <b>PROPELLER LOG</b> |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                 |                                      | Date: 12/22/2015<br>W/O: 6001444        |                      |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                 |                                      | Model: PHC-J3Y1F-1N<br>Fil Hobbs: 321.5 |                      |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                 |                                      | S/N: NJ816B<br>TSMOH: 321.5 PTSN: 321.5 |                      |
| Complied with annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft annual inspection checklist CH 5-20 and Precise Flight ICA.                                                                                                                                                            |                                                                                                 |                                      |                                         |                      |
| AD's researched thru T-Data content revision 2015-25, see attached AD compliance list for details.                                                                                                                                                                                                                  |                                                                                                 |                                      |                                         |                      |
| Removed existing prop governor. Cleaned and inspected case where governor mounts. Installed new gasket p/n 21285-101 and new governor p/n 5-1-44F, s/n G2690NJ from Hartzell Propeller Inc. Secured with existing hardware. MX performed IAW the Cirrus SR-22T MM chapter 61-20. Leak and operational check normal. |                                                                                                 |                                      |                                         |                      |
| Applied new boot sealant to Prop TKS boot edge as required.                                                                                                                                                                                                                                                         |                                                                                                 |                                      |                                         |                      |
| Post maintenance ground run-up and operational checks performed with no leaks or defects noted.                                                                                                                                                                                                                     |                                                                                                 |                                      |                                         |                      |
| <i>I certify this propeller has been inspected in accordance with an Annual / 100 Hr. inspection and was determined to be in airworthy condition</i>                                                                                                                                                                |                                                                                                 |                                      |                                         |                      |
| SIGNATURE: <b>James Butler</b>                                                                                                                                                                                                                                                                                      |                                                                                                 | FAA AUTHORIZATION: <b>2833700 IA</b> |                                         |                      |



Date

## Glendale Aero Services

6841 N. Glen Harbor Blvd  
Glendale, AZ 85307  
623-414-4930

Registration: **N273DT**

Date: 12/22/2016 W/O: 6001805  
Model: PHC-J3Y1F-1N Fit Hobbs: 551.1  
S/N: NJ816B TSMOH: 551.1 PTSN: 551.1

## PROPELLER LOG

Complied with annual inspection IAW 14 CFR 43 Appendix D in reference to the Cirrus Aircraft annual inspection checklist CH 5-20 and Precise Flight ICA.

AD's researched thru T-Data content revision 2016-25, see attached AD compliance list for details.

Post maintenance ground run-up and operational checks performed with no leaks or defects noted.

*I certify this propeller has been inspected in accordance with an Annual / 100 Hr. inspection and was determined to be in airworthy condition*

SIGNATURE: **James Butler**FAA AUTHORIZATION: **2833700 IA**

PROP MODEL:  
PROP S/N:  
REG. NO: N273DT  
WORK ORDER: 200788



## Clear Star Aviation

Repair Station No. 5CSR009B  
4765 Frank Luke Dr  
Addison, TX 75001  
Phone: 972-267-2376

DATE: 9/21/2017  
A/C TSN:  
PROP TT:  
TAGH:

## Prop Entries

Performed propeller 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. 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 5CSR009B.

DATE: 9/21/2017

SIGNED:

Cliff, Gerber  
Certified Repair Station No. 5CSR009B

Work Order: 200788

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Abilene Aero Inc. 2850 Airport Blvd. Abilene TX 79601

Propeller S/N **N5816B**Meter: **763.1**WO# **14880**Registration# **N273DT**Date: **8/24/18**Total Time: **763.1**TSMOH: **763.1**Airworthiness Directives Through **2018-17**

I Certify this propeller has been inspected IAW FAR 43 appendix D 100 hour inspection and found to be in an Airworthy condition.

Painted blades. Lubed hub with Aeroshell #6 grease.

Approved for return to service

Mark Reed APIA3398125

Abilene Aero Inc. 2850 Airport Blvd. Abilene TX 79601

Propeller S/N **N5816B**Meter: **1010.0**WO# **19-21462**Registration# **N273DT**Date: **9/9/19**Total Time: **1010.0**TSMOH: **1010.0**Airworthiness Directives Through **2019-19**

I Certify this propeller has been inspected IAW FAR 43 appendix D 100 hour inspection and found to be in an Airworthy condition. Dressed, and painted blades. Lubed hub with Aeroshell #6 grease.

Approved for return to service

Nate Loflin AP3669831

**LUBBOCK AERO**

6304 N. Cedar Ave., Lubbock, TX 79403

Date: May 8, 2020

N#: 273DT

S/N: NJ816B

Flight: 1111.1

Make: Hartzell

PTT: 1111.1

Model: PHC-J3Y1F-1N

C/W propeller 100-hour inspection IAW FAR 43 appendix D.

C/W prop device boot inspection. --Lubed hub with Aeroshell #6 grease.

I certify that this propeller has been inspected IAW a 100 hour / annual inspection and was determined to be in  
airworthy condition.



Chad R. Burns AP28291801A

**PROP MODEL:**

PROP S/N: N273DT  
REG. NO: N273DT  
WORK ORDER:  
Murrieta 10281-08-2020

**Gryphon Aircraft Services, LLC.**

37680 Sky Canyon Drive  
#602  
Murrieta, CA 92563  
Phone: 951-698-4260

DATE: 9/3/2020  
A/C TSN: 1203 8  
PROP TT: 1203 8  
FLIGHTTIME: 1203 8

**Prop Entries**

Removed prop Model # PHC-J3Y1F-1N S/N NJ816B and sent it out for reseat to Ameritech Industries, W.O. 25057-08-2020 .  
Installed repaired prop with new o-ring and mounting hardware IAW Cirrus AMM.

I Certify that with respect to only the work performed on the above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta10281-08-2020. FAA CRS #2SDR271B.

DATE: 9/3/2020

SIGNED:

Work Order: Murrieta10281-08-2020

Printed by EBis 3 (datamedia.com)



AMERITECH INDUSTRIES DBA  
AMERICAN PROPELLER SERVICE  
REPAIR STATION NO. N03R717L  
20208 CHARLANNIE DRIVE  
REDDING, CA 96002 USA

**WORK ACCOMPLISHED**Reseal - Repair

MODEL NO.

PHC-J3Y1F-1RF

SERIAL NO.

NJ816B

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED  
AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION  
REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.  
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER

REPAIR ORDER #

25057-08-2020

DATED:

08-21-2020

SIGNED

  
**MIKE CROWELL**

(AUTHORIZED INDIVIDUAL)

FORM LB01



Manual No.: **145** Revision No.: **12**

## Hartzell Propeller Inc. Product Registration

Company Name: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Propeller Assembly Model No: \_\_\_\_\_

Propeller Serial No.: \_\_\_\_\_

Blade Serial No.'s: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Aircraft Model: \_\_\_\_\_

Registration No.: \_\_\_\_\_

Date Propeller/Aircraft Placed in Service: \_\_\_\_\_

Is this a Top Prop conversion? Y \_\_\_\_\_ N \_\_\_\_\_

(Please type or print clearly)

### Please register your product with Hartzell Propeller Inc.

to ensure efficient warranty claim consideration and processing.

You may register by returning this completed product registration card

by mail or fax at: 937.778.4391

### NOTE:

As of January 1, 2009, Hartzell Propeller Inc. no longer offers continuing revision service in paper format for our Owners manuals.

All Hartzell Propeller Inc. Owners Manuals are now available in

electronic format free of charge on our website at [www.hartzellprop.com](http://www.hartzellprop.com)

Please visit the Hartzell Propeller Inc. website to view and download the most current version of the Owners Manual.



HARTZELL PROPELLER INC  
1 PROPELLER PL  
PIQUA OH 45356-9945

ATTN: PUBLICATIONS DEPT

POSTAGE WILL BE PAID BY ADDRESSEE

**BUSINESS REPLY MAIL**  
FIRST-CLASS MAIL PERMIT NO. 323 PIQUA OH



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES





Jason Mills

|                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                    |                                                |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--|
| 1. Approving Civil Aviation Authority/Country:<br>FAA/UNITED STATES                                                                                                                                                                                                                                                                                                                                            |                    | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                    | 3. Form Tracking Number:<br>165976DE8844450999 |  |
| 4. Organization Name and Address:<br> Ameritech Industries dba American Propeller Service<br>20208 Charlanne Drive<br>Redding, CA 96002 USA                                                                                                                                                                                   |                    |                                                                                         | 5. Work Order/Contract/Invoice Number:<br>25057-08-2020                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                    |                                                |  |
| 6. Item:                                                                                                                                                                                                                                                                                                                                                                                                       | 7. Description:    | 8. Part Number:                                                                         | 9. Quantity:                                                                                                                                                                                                                                                                                                                                                                                                                 | 10. Serial Number:                                                                                                 | 11. Status/Work:                               |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                              | Hartzell propeller | Prop: Hartzell propeller<br>Hub: PHC-J3Y1F-1N<br>Blade: N7605B                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                            | Blade: A7656, A7690, A7704<br>Hub: NJ816B                                                                          | REPAIRED                                       |  |
| 12. Remarks:<br>Resealed as required per Service Manual 113B Rev. 46, 159 Rev. 72 and 202A V7 Rev. 49, V11 Rev. 36.                                                                                                                                                                                                                                                                                            |                    |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                    |                                                |  |
| 13a. Certifies the items identified above were manufactured in conformity to:<br><br><input type="checkbox"/> Approved design data and are in condition for safe operation.<br><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<br><br>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:<br> |                                                |  |
| 13d. Name (Typed or Printed):                                                                                                                                                                                                                                                                                                                                                                                  |                    | 13e. Date (dd/mm/yyyy):                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                              | 14c. Approval/Certificate<br>NO3R717L                                                                              |                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              | 14d. Name (Typed or Printed):<br>Mike Crowell                                                                      |                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              | 14e. Date (dd/mm/yyyy):<br>21 aug 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 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.                                                                                                                                |                    |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                    |                                                |  |

Part Number

18975-008

COMPOSITE PROPELLER  
ASSY, SCD LT WT HUB,COMP

Serial Number

NJ816B

Receiver Number

476260

Qty:

PO #: 124315

Rcpt. Dt.11/04/13

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

|                                     |            |                     |            |                    |                         |                 |  |          |  |
|-------------------------------------|------------|---------------------|------------|--------------------|-------------------------|-----------------|--|----------|--|
| Model Number<br>PHC-J3Y1F-1N/N7605B |            |                     |            |                    |                         |                 |  |          |  |
| Ass'y Ser No.<br>NJ816B             |            | Hydr Unit No.<br>NA |            | Bulkhead No.<br>NA |                         | Valve No.<br>NA |  |          |  |
| Blade 1:A7656                       |            | Blade 2:A7690       |            | Blade 3:A7704      |                         | Blade 4:        |  | Blade 5: |  |
| Clamp 1:                            |            | Clamp 2:            |            | Clamp 3:           |                         | Clamp 4:        |  | Clamp 5: |  |
| Reverse                             | Start Lock | Low Pitch           | High Pitch | Feather            |                         |                 |  |          |  |
| NA                                  | NA         | 12.2                | 35.0       | NA                 |                         |                 |  |          |  |
| Ref Radius (inches) for angles: 30  |            |                     |            |                    | Position Orient. Qty:AI |                 |  |          |  |
|                                     |            |                     |            |                    | 3 T 0 0 0 0 0 0 0       |                 |  |          |  |
| Comments:<br>Deice Kit: NA          |            |                     |            |                    |                         |                 |  |          |  |
| Packing<br>Certified By:            |            | Date:               |            |                    |                         |                 |  |          |  |
| Inspected By: John Martin           |            | 10-30-13            |            |                    |                         |                 |  |          |  |

HARTZELL PROPELLER INC  
INSPECTION  
Item Number: J3F30510AFM

Date: 10/30/2013  
Work Order #: M906460

HARTZELL PROPELLER INC  
INSPECTION

Item Number: J3F30510AFM

Date: 10/30/2013  
Work Order #: M906460

|                                     |            |                     |            |                    |                         |                 |  |          |  |
|-------------------------------------|------------|---------------------|------------|--------------------|-------------------------|-----------------|--|----------|--|
| Model Number<br>PHC-J3Y1F-1N/N7605B |            |                     |            |                    |                         |                 |  |          |  |
| Ass'y Ser No.<br>NJ816B             |            | Hydr Unit No.<br>NA |            | Bulkhead No.<br>NA |                         | Valve No.<br>NA |  |          |  |
| Blade 1:A7656                       |            | Blade 2:A7690       |            | Blade 3:A7704      |                         | Blade 4:        |  | Blade 5: |  |
| Clamp 1:                            |            | Clamp 2:            |            | Clamp 3:           |                         | Clamp 4:        |  | Clamp 5: |  |
| Reverse                             | Start Lock | Low Pitch           | High Pitch | Feather            |                         |                 |  |          |  |
| NA                                  | NA         | 12.2                | 35.0       | NA                 |                         |                 |  |          |  |
| Ref Radius (inches) for angles: 30  |            |                     |            |                    | Position Orient. Qty:AI |                 |  |          |  |
|                                     |            |                     |            |                    | 3 T 0 0 0 0 0 0 0       |                 |  |          |  |
| Comments:<br>Deice Kit: NA          |            |                     |            |                    |                         |                 |  |          |  |
| Packing<br>Certified By:            |            | Date:               |            |                    |                         |                 |  |          |  |
| Inspected By: John Martin           |            |                     |            |                    |                         |                 |  |          |  |

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

HARTZELL PROPELLER INC  
INSPECTION

Item Number: J3F30510AFM

Date: 10/30/2013  
Work Order #: M906460

|                                     |            |                     |            |                    |                         |                 |  |          |  |
|-------------------------------------|------------|---------------------|------------|--------------------|-------------------------|-----------------|--|----------|--|
| Model Number<br>PHC-J3Y1F-1N/N7605B |            |                     |            |                    |                         |                 |  |          |  |
| Ass'y Ser No.<br>NJ816B             |            | Hydr Unit No.<br>NA |            | Bulkhead No.<br>NA |                         | Valve No.<br>NA |  |          |  |
| Blade 1:A7656                       |            | Blade 2:A7690       |            | Blade 3:A7704      |                         | Blade 4:        |  | Blade 5: |  |
| Clamp 1:                            |            | Clamp 2:            |            | Clamp 3:           |                         | Clamp 4:        |  | Clamp 5: |  |
| Reverse                             | Start Lock | Low Pitch           | High Pitch | Feather            |                         |                 |  |          |  |
| NA                                  | NA         | 12.2                | 35.0       | NA                 |                         |                 |  |          |  |
| Ref Radius (inches) for angles: 30  |            |                     |            |                    | Position Orient. Qty:AI |                 |  |          |  |
|                                     |            |                     |            |                    | 3 T 0 0 0 0 0 0 0       |                 |  |          |  |
| Comments:<br>Deice Kit: NA          |            |                     |            |                    |                         |                 |  |          |  |
| Packing<br>Certified By:            |            | Date:               |            |                    |                         |                 |  |          |  |
| Inspected By: John Martin           |            |                     |            |                    |                         |                 |  |          |  |

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

HARTZELL PROPELLER INC. Piqua, Ohio

Part Description **GOVERNOR** Date NOV 02 2015  
Hartzell Governor Model S-1-44F Serial No. G2690N5  
New ✓ Overhauled \_\_\_\_\_ Repaired \_\_\_\_\_

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### TEST RESULTS

RPM Setting High 2500 Relief Valve Pressure 296 PSI  
Low 2330

At 1750 RPM at 50 PSI input/150 PSI output:

Capacity 10.6 qts. Internal Leakage 1.0 oz.

Lever Quadrant Travel ← @ 1810 RPM