

**HARTZELL**

# **PROPELLER LOGBOOK**

*N812DB*

PROPELLER MODEL PHG-T34F-1N/N7605B

PROPELLER S/N FP5645B

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.

### PROPELLER MAINTENANCE RECORD

Position \_\_\_\_\_

PITCH RANGE

Propeller Model PHC-T3YF-IN

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

Propeller S/N FP5645B

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

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

Low \_\_\_\_\_

Blade S/N's

Reverse \_\_\_\_\_

No. 1 \_\_\_\_\_

Aircraft Manufacturer CIRRUS

No. 2 \_\_\_\_\_

Aircraft Model SR22

No. 3 \_\_\_\_\_

S/N 2399

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

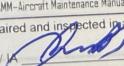
Registration 812DB

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

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

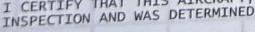


| Date | Propeller<br>TSN | A/C<br>Hrs | Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.  |
|------|------------------|------------|---|
|      |                  |            | <p><b>ENGINE/PROP DYNAMICALLY BALANCED</b></p> <p>---- POLAR PLOT - 1.0 IN/S FS ----</p>  <p>N812DB Cirrus SR 22 G2 TN 2399 326.2 Hrs<br/>     Cont h 550 N 46 690800<br/>     HP 2550 rpm Lee Herring<br/>     MicroVib II SN:1177 Cal:08/01/2007<br/>     Initial: 0.184 IN/S @ 2548.6 RPM Final: 0.029 IN/S @ 2548.6 RPM</p> <p>Oper: <i>[Signature]</i><br/>     Date:01/07/2008</p> <p>Operator Comments</p> <p>Performed a dynamic propeller balance<br/>     MAV P/N 00-0000000000000000000000000000000<br/>     Service Instruction #148 B dated Feb 07, 1992<br/>     and MicroVib II which is a MicroVib AV<br/>     9511-2 dated 12 June 1990 using D3S<br/>     Microvib II equipment and application<br/>     notes. Initial balance weight of 0.184 IN/S @ 2548.6 RPM<br/>     Initial IPS of 184 @ 2549 rpm reduced to 0.029 IN/S @ 2548.6 RPM by adding<br/>     AN hardware balance weights on<br/>     starboard rear bulkhead 1.20 grams @<br/>     310 degrees.<br/>     Jim Barker A&amp;P #2755069<br/>     Plasses Aviation, Airport Ave Hanger 7<br/>     Cumberland, WI 54829<br/>     Herring 715 491 1300 Email: jim@aviationvibes.com<br/>     www.aviationvibes.com</p> |

|   |  |   |   |               |
|---|--|---|---|---------------|
| <b>Exec Air LLC</b><br>Hilton Head Island Airport (HDX)   |  | 71 Summit Drive<br>Hilton Head, SC 29926-3600<br>(843) 681-4705<br>info@ExecAirHiltonHead.com | <br>Cirrus SR22<br>S/N - 2399<br>3/30/09 H-592.3 / F- 581.4hrs | <b>N812DB</b> |
| <b>Hartzell PHC-J3YF-1N/N7605B</b> <b>S/N FP5645B TT 567.3 Hrs</b>  |  |   |   |               |
| 1. Inspected prop IAW Hartzell maintenance manual. Serviced with Aeroshell #6 grease. Inspected blades for excess freeplay, hub for cracks etc. no faults noted.  |  |   |   |               |
| D-Discrepancy, C/A-Corrective Action, C/W-Complied with, IAW-In accordance with, AMM-Aircraft Maintenance Manual, P(S)/N-Part (Serial) Number, P/SR-Removed and Replaced.<br>This aircraft and/or component(s) identified above were repaired and inspected in accordance with current Federal Aviation Regulations and were found Airworthy for return to service.<br>Jim Barker 2755069 A&P/I |  |   |   |               |
|    |  |   |   |               |
| <b>Prop Log</b>   |  |   |   |               |



|  |  |        |
|--|--|--------|
| DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607<br>LOG ID# 9113 06-June-2013 WO# 5793 REF# 5793 AC TT 845.5 HOBBS 987.0<br>N812DB S/N 2399 CIRRUS SR22TN<br>FHM 845.5 TSN 845.5 TSO 845.5 |  | Pg 1/1 |
|--|--|--------|

|  |  |                |        |
|--|--|----------------|--------|
| DOUGLAS DUNCAN   |  | A&P/IA 3384163 | DATE   |
| <b>DOUGLAS DUNCAN AVIATION LLC</b> 100 TOWER DR, HGR 6 GREENVILLE, SC 29607<br>LOG ID# 9562 03-July-2014 WO# 6023 REF# 6023 AC TT 923.0 HOBBS 1076.6<br>N812DB S/N 2399 CIRRUS SR22TN<br>FHM 923.0 TSN 923.0 TSO 923.0   |  |                |        |
| Pg 1 / 1   |  |                |        |
| PROPELLER<br>*COMPLETED ANNUAL INSPECTION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22 MM 5-00. ALL AD'S<br>AND SB'S RESEARCHED THROUGH CURRENT ATP REVISION 7/1/2014. NEXT ANNUAL INSPECTION DUE JUL 2015.<br>I CERTIFY THAT THIS AIRCRAFT, ENGINE, OR PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL<br>INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.<br>THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE<br>WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH<br>REGARDS TO MAINTENANCE PERFORMED. |  |                |        |
| <br>DOUGLAS DUNCAN  |  | A&P/IA 3384163 | 7-3-14 |



PIEDMONT PROPULSION SYSTEMS

M.F.G. - HARTZELL

MODEL - PHC-J3YF-1N

S/N - FP5645E

DATE 08-Aug-2016

Repaired nick on #1 blade s/n A0535. Painted blade tips and balanced in accordance with Hartzell manuals 113B/R43, Jul 2016; 135F/R26, Dec 2015; 159/R54, Aug 2016; 202A (Vol.1/R53, Jul 2016; Vol.6/R34, Dec 2015; Vol.7/R41, Apr 2016; Vol.11/R36, Nov 2015). No AD's apply at this time. T.S.O. Unknown; T.S.N. Unknown --End-- APPROVED BY: [Signature]

APPROVED BY  
Robert V. Trueblood  
INSPECTOR FOR  
PIEDMONT PROPULSION SYSTEMS  
WINSTON-SALEM, N.C.  
REPAIR STATION NO. 3PSR595B

Description of all operations pertaining to Airworthiness Directives.

Date

**Propeller**

DATE 8/10/2016 N812DB Model -SR22 S/N- 2399 HM-1186.6 flight/T.T.-1016.2 WO#S19-16-03457  
Engine- IO550-N s/n-690807 TT-1016.2  
Propeller- PHC-J3YF-1N s/n-FP5645B TSN-1016.2

- 1.Complied with annual inspection using Cirrus SR22 MM Ch.5-20-00 as a guide
2. Removed and reinstalled propeller after repair by propeller shop see 8130-3

**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 the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED



Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

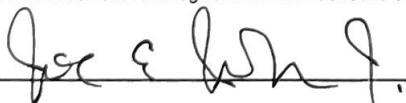
**Propeller**

DATE 9/15/2017 N812DB Model -SR22 S/N- 2399 HM-1235.6 flight/T.T.-1057.3 WO#S19-17-04028  
Engine- IO550-N s/n-690807 TT-1057.3  
Propeller- PHC-J3YF-1N s/n-FP5645B TSN-1057.3

1. Complied with annual inspection using Cirrus SR22 MM Ch.5-20-00 as a guide
2. Installed 3 new prop deice boots p/n-37572

**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 the aircraft, aircraft engine, propeller, or appliance identified above was repaired and or inspected in accordance with current FAA regulations and was found airworthy with respect to the work performed and is approved for return to service.

SIGNED



Signature TechnicAir Winston Salem NC FAA Repair Station PAIR208A

|      |    |
|------|----|
| Date | P  |
|      | TS |
|      |    |
|      |    |
|      |    |

DOUGLAS DUNCAN AVIATION LLC 100 TOWER DR, HGR 6 GREENVILLE, SC 29607  
 LOG ID# 10988 19-October-2018 WO# 6819 REF# 6819 AC TT 1081.5 HOBBS 1081.5  
 N812DB S/N 2399 CIRRUS SR22TN  
 FHM 1081.5 TSN 1081.5 TSO 1081.5

Pg 1 / 1

PROPELLER

"COMPLETED ANNUAL INSPECTION IAW FAR 91.409, FAR 43 APPENDIX D, AND CIRRUS SR22/22T MM 5-00. ALL AD'S AND SB'S RESEARCHED THROUGH CURRENT FAA BIWEEKLY 2018-21. NEXT ANNUAL INSPECTION DUE 10/2019. ALL 100 HOUR LUBES C/W

I CERTIFY THAT THIS AIRCRAFT, ENGINE, OR PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

THE AIRCRAFT, ENGINE, COMPONENT, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND IS HEREBY APPROVED FOR RETURN TO SERVICE WITH REGARDS TO MAINTENANCE PERFORMED.

*Douglas Delano Duncan*  
 DOUGLAS DELANO DUNCAN A&P/IA 3384163

19-Oct-2018  
 DATE

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PROPELLER ENTRY

|        |        |        |           |             |            |
|--------|--------|--------|-----------|-------------|------------|
| "N" #: | Make:  | Model: | Serial #: | Total Time: | Date:      |
| N812DB | CIRRUS | SR22   | 2399      | 1112.1      | 12/04/2019 |

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.
3. COMPLIED WITH 1 YR PROPELLER LUBRICATION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-20.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE 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 WORK ORDER NO. 96244.



SIGNED BY: *John Hogg* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION # FEHR859D

| <u>PROPELLER ENTRY</u>   |                 |                |                   |                       |                     |
|--|-----------------|----------------|-------------------|-----------------------|---------------------|
| "N" #:<br>N812DB   | Make:<br>CIRRUS | Model:<br>SR22 | Serial #:<br>2399 | Total Time:<br>1165.3 | Date:<br>05/19/2022 |
| <u>Description</u>   |                 |                |                   |                       |                     |
| <ol style="list-style-type: none"> <li>1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).</li> <li>2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.</li> <li>3. COMPLIED WITH 1 YR PROPELLER LUBRICATION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-20.</li> </ol> |                 |                |                   |                       |                     |
| *****MAINTENANCE RELEASE*****  |                 |                |                   |                       |                     |
| <p>THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE 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 WORK ORDER NO. 97833.</p>   |                 |                |                   |                       |                     |
| <br>SIGNED BY: <u>John Wog</u> FOR<br>EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170<br>FAA APPROVED REPAIR STATION NO. FEHR859D  |                 |                |                   |                       |                     |





Elite Aircraft Maintenance · 707 Rod Sullivan Rd · Sanford, NC 27330 · 9196651233

N812DB  
Flight: 1198.3

Hartzell, PHC-J3YF-1N/N760513, S/N: FP5645B

September 30, 2025

1. Performed 100Hr inspection per Chapters 4&5 Cirrus SR-22 Series AMM.
2. Airworthiness Directives checked thru revision 2025-19. No AD's due at this time.
3. Serviced Propeller with GN3058 Lube.
4. Performed aircraft operational check/leak checks IAW Cirrus AMM 5-30 with satisfactory results.

I certify that, at the time and date of signing this log entry, the above noted propeller has been inspected in accordance with a 100hr inspection IAW Hartzell MM/Cirrus AMM and was determined to be in an airworthy condition. Details of work performed are on file with Elite Aircraft Maintenance under work order: 3137.

Dan Massey IA 3622771

A handwritten signature in blue ink that reads "Dan Massey".