# Hartzell Propeller Inc.

**Assembly Inspection Check-off Record**

**Constant Speed Propeller**

**Reversing and Feathering Propeller**

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Customer</td>
<td>Hartzell Marine Center</td>
<td>HC-13YR-2</td>
<td>PHC-J3YF-2</td>
<td>PHC-C3YF-2</td>
<td>45</td>
<td>A27563A</td>
<td></td>
</tr>
<tr>
<td>Order No.</td>
<td>35605</td>
<td>New</td>
<td>Repair</td>
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<tr>
<td>Hub Assembly No.</td>
<td>D-3285-7</td>
<td>C-3266-1</td>
<td>D-3261-2</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>D-3685</td>
<td>D-1251-7</td>
<td>D-3716</td>
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<td></td>
</tr>
<tr>
<td>Hub Bolts Torqued at 22 ft lbs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cwt. Design</td>
<td>B3202H.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BLADES</td>
<td>Design No.</td>
<td>FC7-638-0R</td>
<td></td>
<td></td>
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<tr>
<td>Ser. No.</td>
<td>(1) 405044</td>
<td>(2) 405046</td>
<td>(3) 405042</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>CYLINDER</td>
<td>Serial No.</td>
<td>22793</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-2405-3 Check Nut</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-1938 Air Valve</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for Leaks</td>
<td></td>
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</tbody>
</table>

**NOTE**

Air Chamber charged to 'P.S.I.' in relation with temperature chart on Cylinder

**FOR REPAIRS ONLY**

Complies with all Hartzell Service Bulletins through A.D. No.

And Bulletin No.

Signed:

Dwg. D3255 Rev. 8E

**INSTALLATION PARTS**

| (6) A-2067 Studs | (1) 909-6 'O' Ring |
| (6) A-1381 Washers | (6) A-2429-3 Studs |
| (6) A-2069 Nuts | (6) A-279 Zerks |
| (6) A-2429-4 Studs | (2) 1-1/8 X .5002 Dowel Pins |

**Bulkhead Serial No.**

Functional Test 0 to 125 lbs.

**COMMENTS:**

A247534-9 flown on 1-25-80

**F.A.A. Designee**

Inspector 21R-5200

Date 3/2/80

**For Repairs Only! Complies with all Hartzell Service Bulletins through AD & Bulletin**

**This propeller has been repaired in accordance with FAR Part 43 or in accordance with manufacturer's approved data on file with the Federal Aviation Agency and is classed as a minor repair. This sheet should be attached to your log book in lieu of a log book entry in compliance with requirements of FAR Part 43.**

**Not applicable if assembly is new.**
Hartzell Propeller
Manual No. 115 N

RIGHT ENGINE

Hub Model
Blade Design
Diameter
Hub Ser. No.
Blade Ser. Nos.
  No. 1
  No. 2
  No. 3
  No. 4

PITCH RANGE
High     Low
Feather  Reverse
Governor Model

Hartzell Propeller
Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS
PERTAINING TO AIRWORTHINESS DIRECTIVES,
SERVICE BULLETINS, SERVICE LETTERS,
& MINOR ADJUSTMENTS

<table>
<thead>
<tr>
<th>DATE</th>
<th>TACH TIME</th>
<th>DESCRIPTION OF WORK</th>
<th>SIGNATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/27/47</td>
<td>4369.7</td>
<td>Prop installed on N95658P</td>
<td>J. W. Olen</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PER L &amp; C 5473/26.5. Installed</td>
<td></td>
</tr>
<tr>
<td>10/11/45</td>
<td>1760.5-</td>
<td>CERTIFY THAT THIS PROPELLER HAS BEEN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>390.5</td>
<td>INSPECTED AFTER ANNUAL INSPECTION</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AND WAS DETERMINED TO BE IN ADHERENCY</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONDITION THIS DATE 10 MCR. 2000 APS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHECKED THIS 2000. APS</td>
<td></td>
</tr>
</tbody>
</table>

Governor No.
  Woodward
  210662 Model
  157883 Serial

Ag 9/4/05 6:06:06 STP
Hartzell Propeller
Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS
PERTAINING TO AIRWORTHINESS DIRECTIVES,
SERVICE BULLETINS, SERVICE LETTERS,
& MINOR ADJUSTMENTS

LEFT PROPELLER: Hartzell PHC-C3YF-21E/FC76663B-2R, Hub number EB3594A. Hour meter
1391.4 on 4 August 1998. TT since new 1577.
1. ADs researched through update 98-14.
three strokes of hand operated grease gun (approx. 1/2 oz.) at 1 psi per fitting on the cylinder side (3 places).
3. Inspected blades for nicks: None noted.
4. Serviced air chamber pressure to 41 psi per instruction manual.

Robert A. McDonald, Aircraft Maint. No. 4D-27
D-27

RIGHT PROPELLER: Hartzell PHC-C3YF-21E/FC76663B-2R, Hub number EB3594A. Hour meter
1994.3 on 3 September 1999. TT since new 89-17.
1. ADs researched through update 99-17.
three strokes of hand operated grease gun (approx. 1/2 oz.) at 1 psi per fitting on the cylinder side (3 places).
3. Inspected blades for nicks: None noted.
4. Serviced air chamber pressure to 41 psi per instruction manual.

Robert A. McDonald, Aircraft Maint. No. 4D-27
D-27

DATE | TACH | DESCRIPTION OF WORK | SIGNATURE
--- | --- | --- | ---
6/5/02 | | Overhaul: Hartzell Propeller
Model: PHC-C3YF-21E
S/N: 9251
Serial: EB3594A
C1W A0 02-03-08
C1W SB 97A/10601
61-186E 61-226E1
IAW Manual
202A 11331107D
Repair Station
WFR 082X

Aircraft Log Book
8-1-02 Hobbs 1902.1
for Install Date
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number</th>
<th>Eligibility</th>
<th>Quantity</th>
<th>Serial / Batch Number</th>
<th>Status / Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Propeller</td>
<td>PHC-C3YF-2UF</td>
<td>Various</td>
<td>1</td>
<td>EIR3594A</td>
<td>Repair</td>
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</tbody>
</table>

13. Remarks:
Repaired as necessary in accordance with Hartzell Service Manuals 117D-202A. Full details of work carried out per work order # 16087.

TSN: Unk
TSO: Unk

14. Certify the items identified above were manufactured in conformity to:
- [ ] Approved design data and are in a condition for safe operation.
- [ ] Non-approved design data specified in Block 13.

15. Authorized Signature:


17. Name (Typed or Printed):

18. Date (mm/dd/yyyy):

19. Name (Typed or Printed):

20. Date (mm/dd/yyyy):

21. Approval / Certificate No.: P44414414

22. Authorized Signature:

23. Date (mm/dd/yyyy):

24. Authorized Signature:

25. Date (mm/dd/yyyy):
**HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS**

<table>
<thead>
<tr>
<th>Year:</th>
<th>Total Time in Service</th>
<th>Description</th>
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**Date:**

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**THIS PROPELLER/COMPONENT HAS BEEN OVERHAULED/REPAIRED AS PER MAINTENANCE RELEASE TAG UNDER WORK ORDER NO. 16087 DATED 5/22/07 FOR: PHC-C3YF-2UF E/3594A MEMPHIS PROPELLER SERVICE, INC. OLIVE BRANCH, MISSISSIPPI PAA C.R.S. #: P14641M BY:**

**[Signature]**

---

**N956SB, MODEL E55, S/N TE956 LEFT PROPELLER MODEL PHC-C3YF-2UF, DATE 5/24/2007, HOBBS 2681.7 REMOVED AND REPLACED PROPELLER E/3594A 16087, DATED 5/22/2007. TEST RAN AIRCRAFT RO-40112 06/06/02:**

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**Date:**

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**[Signature]**

---

**TRONG V/L CHIEF INSPECTOR 05/22/2007**
ROGER L. MILLER AP 515580026

AIRCRAFT MAINTENANCE, INC
280 AIRPORT RD, BLDG 5
CLARKSVILLE, TN 37042
931-431-3470

N956S8, MODEL E55, S/N TE956
LEFT PROPELLER MODEL PHC-C3YF-2UF, S/N EB3594A
DATE 5/24/2007, HOBB 2681.7

REMOVED AND REPLACED PROPELLER FOR REPAIR BY MEMPHIS PROPELLER, CRS# P14R441M, W/O # 16087, DATED 5/22/2007. TEST RAN AIRCRAFT FOR OPERATION AND LEAK CHECKS.

<table>
<thead>
<tr>
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</table>

Next Inspection Due:  
Time Since Overhaul:  
Mech. Cert. # or Repair Station:

ROGER L MILLER AP 515580026

23 Date (mm/dd) 05/22/2007
Left Propeller

Performed 100 hour/annual inspection in accordance with the scope and detail of FAR part 43 appendix d.
Applicable Airworthiness Directives thru 2007-26 have been complied with.
I certify that this Propeller has been inspected in accordance with the scope and detail of FAR part 43 appendix d. ANNUAL inspection criteria and have found it to be in AIRWORTHY condition.
Mack Air, LLC Smithville, TN
Charles McRae 418665781 A&P-IA

N956SB

Hour meter: 2852.52
TSOH: 960.4

Left Propeller

Performed 100 hour/annual inspection in accordance with the scope and detail of FAR part 43 appendix d.
Applicable Airworthiness Directives thru 2008-22 have been complied with.
I certify that this Propeller has been inspected in accordance with the scope and detail of FAR part 43 appendix d. ANNUAL inspection criteria and have found it to be in AIRWORTHY condition.
Mack Air, LLC Shelbyville, TN
Charles McRae 418665781 A&P-IA

N956SB

Date: January 8, 2010
L/H Propeller: Hartzell PHC-G-
Complied with an Annual inspection.
I certify this propeller has been inspected and determined to be in airworthy condition.

Date: November 1, 2008

Mech. Cert. #: or Repair Station: 903.1

M50A1X

17. Name (Typed or Printed): TRONG VU, CHIEF INSPECTOR
18. Date (mm/dd): 05/22/2007
22. Name (Typed or Printed): TRONG VU, CHIEF INSPECTOR
23. Date (mm/dd): 05/22/2007
Smyrna Air Center
300 Doug Warpoole Rd
Smyrna, TN 37167
(615) 459-3337

Date: January 8, 2010  N956SB  Beechcraft E-55  S/N: TE-956  Hobbs: 2909.5
Complied with an Annual inspection using Beechcraft E55 inspection criteria as a guide.

I certify this propeller has been inspected in accordance with Beechcraft E55 Maintenance manuals and has been determined to be in airworthy condition. Details are on file at Smyrna Air Center under W.O. # 22137.

Signed: [Signature]

CRS# RG4R491M  David A. Clouse
Left Propeller Logbook
N956SB Hartzell PHC-C3YF-2UF  Sn#EB3594A
September 3, 2014 Hobbs Time 3078.0 TSO 1175.9

Complied with annual inspection in accordance with FAR 43.D using Beechcraft Baron service manual as reference. I certify this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

signature
Brian Ownby A&P 2783012 IA
<table>
<thead>
<tr>
<th>Year:</th>
<th>Total Time in Service</th>
<th>Desc</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Removed mud daubers next blocking prop deice slinger. Ad's checked thru 2016-06. 2009-22-03 Blade separation - N/A by engine model</td>
<td>Emil M. Dula: A&amp;P 3452605</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year:</th>
<th>Total Time in Service</th>
<th>Desc</th>
<th>Signature</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>I certify that this propeller has been inspected IAW an annual inspection and was determined to be in airworthy condition.</td>
<td>John D. Ellis: A&amp;P 3073898 IA</td>
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<table>
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<th>Year:</th>
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<tr>
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<td>Greased prop. Ad's checked thru 2017-11. I certify that this propeller has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.</td>
<td>John D. Ellis: A&amp;P 3073898 IA</td>
</tr>
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Greased prop.
ADs checked thru 2018-12.

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

John D. Ellis  A&P 3073896 IA

<table>
<thead>
<tr>
<th>Date:</th>
<th>Time Since Overhaul</th>
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<tr>
<td>Next Inspection Due:</td>
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<tr>
<td>Year:</td>
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Mech. Cert. # or Repair Station #