

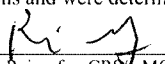
**HARTZELL**

# PROPELLER LOGBOOK

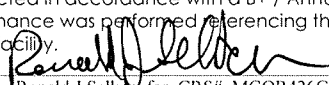
PROPELLER MODEL HC-E4N-3/E9083 SK

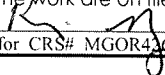

PROPELLER S/N HH 2932

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

|   |                  |               |   |              |              |
|---|------------------|---------------|---|--------------|--------------|
| Date  | <b>REG #</b>     | <b>N856MF</b> | <b>Signature TECHNICAIR</b><br>3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br><b>FAA REPAIR STATION # MGOR426G</b><br><b>LOGBOOK INSERT</b> | <b>DATE</b>  | 09/JULY/2021 |
|   | <b>MODEL</b>     | TBM 850       |   | <b>W/O</b>   | S93-21-01433 |
|   | <b>SERIAL #</b>  | 421           |   | <b>HOBBS</b> | 1133.2       |
|   | <b>PROP MOD.</b> | HC-E4N-3      |   | <b>ACTT</b>  | 1133.2       |
|   | <b>PROP S/N</b>  | HH2932        |   | <b>LNDS</b>  | 866          |
| PROP TSN= 1133.2 PTSOH= 000.0   |                  |               |   |              |              |
| <ol style="list-style-type: none"> <li>1. Installed propeller Model HC-E4N-3, Serial No. HH2932 after overhaul by International Propeller Service, Lincoln, NE. CRS# 9IPR665C referencing Hartzell Propeller Owner's Manual 149.</li> <li>2. Installed new beta block referencing Hartzell Propeller Owner's Manual 149.</li> </ol> |                  |               |   |              |              |
| The Aircraft and/or Component(s) identified above in the scope of this work order were repaired and/or inspected in accordance with current applicable Federal Aviation Regulations and were determined to be airworthy for return to service. Details of the work order are on file at this facility.                              |                  |               |   |              |              |
| DATE <u>09/JULY/2021</u> SIGNED <br>Kevin Reisz for CRS# MGOR426G  |                  |               |   |              |              |

|   |                  |               |   |              |              |
|---|------------------|---------------|---|--------------|--------------|
|   | <b>REG #</b>     | <b>N856MF</b> | <b>Signature TECHNICAIR</b><br>3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br><b>FAA REPAIR STATION # MGOR426G</b><br><b>LOGBOOK INSERT</b> | <b>DATE</b>  | 22/JUL/2022  |
|   | <b>MODEL</b>     | TBM 850       |   | <b>W/O</b>   | S93-22-01717 |
|   | <b>SERIAL #</b>  | 421           |   | <b>HOBBS</b> | 1198.9       |
|   | <b>PROP MOD.</b> | HC-E4N-3      |   | <b>ACTT</b>  | 1198.9       |
|   | <b>PROP S/N</b>  | HH2932        |   | <b>LNDS</b>  | 915          |
| PROP TSN= 1198.9 PTSOH= 65.7  |                  |               |   |              |              |
| <ol style="list-style-type: none"> <li>1. Performed a Standard Program A+ / Annual Inspection referencing TBM Maintenance Manual Part No. Z00.DMAMMPXEE0R48 chapters 05-20-02 and 05-20-05 and 14CFR 91.409(a)(1) and Part 43 Appendix D.</li> <li>2. Perform periodic inspection referencing Hartzell Propeller Owner's Manual 149.</li> <li>3. Lubricated propeller referencing Hartzell Propeller Owner's Manual 149.</li> <li>4. Checked dimension of beta ring and block referencing Hartzell Propeller Owner's Manual 149.</li> </ol> |                  |               |   |              |              |
| I certify this Propeller has been inspected in accordance with a A+ / Annual inspection per 14 CFR 91.409 (a)(1) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Details of the work are on file at this facility.   |                  |               |   |              |              |
| DATE <u>22/JULY/2022</u> SIGNED <br>Ronald J Selken for CRS# MGOR426G  |                  |               |   |              |              |

|   |                  |               |   |              |             |
|---|------------------|---------------|---|--------------|-------------|
|   | <b>REG #</b>     | <b>N856MF</b> | <b>Signature TECHNICAIR</b><br>3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br><b>FAA REPAIR STATION # MGOR426G</b><br><b>LOGBOOK INSERT</b> | <b>DATE</b>  | 01/JUL/2023 |
|   | <b>MODEL</b>     | TBM 850       |   | <b>W/O</b>   | S93-23-0959 |
|   | <b>SERIAL #</b>  | 421           |   | <b>HOBBS</b> | 1234.8      |
|   | <b>PROP MOD.</b> | HC-E4N-3      |   | <b>ACTT</b>  | 1234.8      |
|   | <b>PROP S/N</b>  | HH2932        |   | <b>LNDS</b>  | 954         |
| PROP TSN= 1234.8 PTSOH= 101.6   |                  |               |   |              |             |
| <ol style="list-style-type: none"> <li>1. Performed a Standard Program B+ / Annual Inspection referencing TBM Maintenance Manual Part No. Z00.DMAMMPXEE0R49 chapters 05-20-03 and 05-20-05 and 14CFR 91.409(a)(1) and Part 43 Appendix D.</li> <li>2. Perform periodic inspection referencing Hartzell Propeller Owner's Manual 149.</li> <li>3. Lubricated propeller referencing Hartzell Propeller Owner's Manual 149.</li> <li>4. Checked dimension of beta ring and block referencing Hartzell Propeller Owner's Manual 149.</li> </ol> |                  |               |   |              |             |
| I certify this Propeller has been inspected in accordance with a B+ / Annual inspection per 14 CFR 91.409 (a)(1) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Details of the work are on file at this facility.   |                  |               |   |              |             |
| DATE <u>01/JUL/2023</u> SIGNED <br>Ronald J Selken for CRS# MGOR426G   |                  |               |   |              |             |

| Date | Propeller |     | REG #  | N856MF   | Signature TECHNICAIR   | DATE  | 02/JULY/2020 |
|------|-----------|-----|--|----------|--|-------|--------------|
|      | TSN       | TSO |  |          |  |       |              |
|      |           |     | MODEL  | TBM 850  | 3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br>FAA REPAIR STATION # MGOR426G<br>LOGBOOK INSERT | W/O   | S93-20-01179 |
|      |           |     | SERIAL #   | 421      |  | HOBBS | 1054.0       |
|      |           |     | PROP MOD.  | HC-E4N-3 |  | ACTT  | 1054.0       |
|      |           |     | PROP S/N   | HH2932   |  | LNDS  | 794          |
|      |           |     | PROP TSN= 1054.0 PTSOH= 420.4  |          |  |       |              |
|      |           |     | <ol style="list-style-type: none"> <li>Performed a Standard Program A+ / Annual Inspection referencing TBM Maintenance Manual Part No. Z00.DMAMMPXEE0R47 chapters 05-20-03 and 05-20-05 and 14CFR 91.409(a)(1) and Part 43 Appendix D.</li> <li>Perform periodic inspection referencing Hartzell Propeller Owner's Manual 149.</li> <li>Lubricate propeller referencing Hartzell Propeller Owner's Manual 149.</li> <li>Checked dimension of beta ring and block referencing Hartzell Propeller Owner's Manual 149.</li> </ol> |          |  |       |              |
|      |           |     | I certify this Propeller has been inspected in accordance with a A+ / Annual inspection per 14 CFR 91.409 (a)(1) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Details of the work are on file at this facility.  |          |  |       |              |
|      |           |     | DATE 02/JULY/2020  |          | SIGNED                       |       |              |
|      |           |     | Kevin Reisz for CRS# MGOR426G  |          |  |       |              |
|      |           |     | REG #  | N856MF   | Signature TECHNICAIR   | DATE  | 17/JUN/2021  |
|      |           |     | MODEL  | TBM 850  | 3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br>FAA REPAIR STATION # MGOR426G<br>LOGBOOK INSERT | W/O   | S93-21-01433 |
|      |           |     | SERIAL #   | 421      |  | HOBBS |              |
|      |           |     | PROP MOD.  | HC-E4N-3 |  | ACTT  | 1133.2       |
|      |           |     | PROP S/N   | HH2932   |  | LNDS  | 866          |
|      |           |     | PROP TSN= 1133.2 TSOH= 499.6   |          |  |       |              |
|      |           |     | <ol style="list-style-type: none"> <li>Removed propeller Model HC-E3N-3, Serial No. HH2932 from N856MF for overhaul.</li> </ol>  |          |  |       |              |
|      |           |     | All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Details of the work are on file at this facility.   |          |  |       |              |
|      |           |     | DATE 17/JUN/2021   |          | SIGNED                        |       |              |
|      |           |     | Michael J Lucht for CRS# MGOR426G  |          |  |       |              |

**N: 856MF      Make: Socata      Model: TBM850      Serial: 421**  
**Propeller M/N: HC-E4N-3      Prop S/N: HH2932**  
**Blade M/N: E9083K**  
**Blade S/N's: 1) K59140    2) K59144    3) K59135    4) K59142**  
**Prop TSN: 1133.2**  
**AC Hobbs: 1133.2      Prop TSO: 000.00**

Overhauled per Hartzell manuals 127 rev 15, 133C rev 39, 143A rev 22, 159 rev 76, 180 rev 36, 202A v1 rev 59, v2 rev 32, v3 rev 39, v7 rev 51, v8 rev 34, v9 rev 32, v10 rev 36 and v11 rev 36. Installed deice boot P/N 102643. Serviced with NYCO GN3058 grease and static balanced. Complied with Service Bulletins 136R1, 346R2, 366R3 and 374R1. Propeller TSO is 4000 hours / 72 months.

**NOTE: Use only GN3058 grease when servicing propeller. Do not mix with any other grease.**

*The above described maintenance was performed in accordance with current Federal Aviation Regulations and is approved for return to service. Details to be found in International Propeller Service LLC.*

Work Order # IPS1708

Dated: July 8, 2021


Signed



Bob Finke

For International Propeller Service CRS 9IPR665C  
 4630 Hartley #3 Lincoln Nebraska 68504  
 Phone: 402-858-6346 Fax: 402-817-4360

|  |  |  |  |  |                                |
|--|--|--|--|--|--------------------------------|
| 1. Approving Civil Aviation Authority/Country:<br><br><b>FAA/UNITED STATES</b>   | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br><b>FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG</b> |  | 3. Form Tracking Number:<br><br><b>3515</b>                  |  |                                |
| 4. Organization Name and Address:<br>International Propeller Service<br>4630 Hartley Street #3<br>Lincoln, NE 68504<br>USA<br>Ph: 402-858-6346, Fax: 402-817-4360<br>FAA Approval Holder: 9IPR665C   |  |  | 5. Work Order/Contract/Invoice Number:<br><br><b>IPS1708</b> |  |                                |
| 6. Item<br>1 Propeller   | 7. Description:<br>Propeller   | 8. Part Number:<br>HC-E4N-3                      | 9. Quantity:<br>1  | 10. Serial Number:<br>HH2932   | 11. Status/Work:<br>OVERHAULED |
| 12. Remarks:<br>Overhauled per Hartzell manuals 127 rev 15, 133C rev 39, 143A rev 22, 159 rev 76, 180 rev 36, 202A v1 rev 59, v2 rev 32, v3 rev 39, v7 rev 51, v8 rev 34, v9 rev 32, v10 rev 36 and v11 rev 36. Installed deice boot P/N 102643. Serviced with NYCO GN3058 grease and static balanced. Complied with Service Bulletins 136RI, 346R2, 366R3 and 374R1. Prop TT: 1133.2 Prop TSO: 000.00 Propeller TSO is 4000 hours / 72 months |  |  |  |  |                                |
| 13a. Certifies the items identified above were manufactured in conformity to:<br><input type="checkbox"/> Approved design data and are in a condition for safe operation.<br><input checked="" type="checkbox"/> Non-approved design data specified in Block 12  |  |  |  |  |                                |
| 13b. Authorized Signature:<br><br><i>Bob Finke</i>   |  | 13c. Approval Authorization No.:<br><br>9IPR665C |  | 14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12<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. |                                |
| 13d. Name (Typed or Printed):<br><br>Bob Finke   |  | 13e. Date (dd/mm/yyyy):<br><br>08-Jul-2021       |  | 14c. Approval/Certificate No.:<br>9IPR665C<br><br>14e. Date (dd/mm/yyyy):<br>08-Jul-2021   |                                |
| 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.                                 |  |  |  |  |                                |
| Statement 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.  |  |  |  |  |                                |

| Date  | Propeller<br>TSN TSO   | A/C<br>Hrs            | Description of all operations pertaining to Airworthiness Directives,<br>Service Documents. Overhaul. Major or Minor Repair. and Inspections. |   |
|---|------------------------|-----------------------|---|---|
|    |                        |                       | FAA CRS # URZR891L / EASA.145.5152  | SOCATA North America, Inc.<br>601 NE 10th Street<br>Pompano Beach, FL 33060 |
| Date : 06/08/2017   | Serial Number : 421    | Registration : N856MF | Aircraft type : TBM 700N  |   |
| Meter Time: 818.7 Hobbs   | Time Since New : 818.7 | Cycle Since New : 679 | Work Order : 6064   |   |
| <ul style="list-style-type: none"> <li>- Prop. HC-E4N-3/E9083-S(K) S/N. HH2932 TSN. 818.7 TSO. 244.4</li> <li>- Performed a Standard Program - C+/ Annual inspection IAW TBM Maintenance manual chapters 05-20-04/05-20-05. 14 CFR 91.409(a)(1) and Part 43 Appendix D. Hartzell manual No. 149.</li> <li>- Accomplished a detail inspection of propeller.</li> <li>- Lubricated propeller per Hartzell manual No. 149 Chapter 61-00-49, pages 6-5 Thru 6-8.</li> </ul> |                        |                       |   |   |
| <p>The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And Is Approved For Return To Service For the Work Performed. Permanent Records Of The Repair Are on File At This Repair Station Under W.O. # 6064, Date : 06/08/2017 Signature: <i>K. Phongsavath</i> Kam Phongsavath<br/>CRS # URZR891L / EASA. 145.5152</p>                              |                        |                       |   |   |
| <p>I certify that this Propeller has been inspected/repared in accordance with "C +" inspection per Socata MM &amp; Far 43 and determine to be in Airworthy condition. Pertinent details on file under W.O # 6064 and copy given to customer.<br/>Aircraft T.T : 818.7 Engine T.T : 818.7 Prop T.T : 818.7<br/>Signature : <i>K. Phongsavath</i> Kam Phongsavath<br/>Date : 06/08/2017 CRS # URZR891L / EASA 145.5152</p>   |                        |                       |   |   |

|   |               |   |       |              |
|---|---------------|---|-------|--------------|
| <b>REG #</b>  | <b>N856MF</b> | <b>Signature TECHNICAIR</b><br>3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br><b>FAA REPAIR STATION # MGOR426G</b><br><b>LOGBOOK INSERT</b> | DATE  | 03/JULY/2018 |
| MODEL   | TBM 850       |   | W/O   | S93-19-00500 |
| SERIAL #  | 421           |   | HOBBS | 910.3        |
| PROP MOD.   | HC-E4N-3      |   | ACTT  | 910.3        |
| PROP S/N  | HH2932        |   | LNDS  | 700          |
| PROP TSN= 910.3 PTOH= 336.0   |               |   |       |              |
| 1. Performed a Standard Program A+ / Annual Inspection referencing TBM Maintenance Manual Part No. Z00.DMAMMPXEE0R46 chapters 05-0-02 and 05-20-05 and 14CFR 91.409(a)(1) and Part 43 Appendix D.<br>2. Lubricate propeller referencing Hartzell Propeller Owner's Manual 149.  |               |   |       |              |
| I certify this Propeller has been inspected in accordance with a A+ / Annual inspection per 14 CFR 91.409 (a)(1) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Details of the work are on file at this facility.<br>DATE <u>03/JULY/2018</u> SIGNED <u><i>Kevin Reisz</i></u><br>Kevin Reisz for CRS# MGOR426G |               |   |       |              |
| <b>REG #</b>  | <b>N856MF</b> | <b>Signature TECHNICAIR</b><br>3636 Wilbur Plaza, Eppley Airfield<br>Omaha, Nebraska 68110<br><b>FAA REPAIR STATION # MGOR426G</b><br><b>LOGBOOK INSERT</b> | DATE  | 24/JULY/2019 |
| MODEL   | TBM 850       |   | W/O   | S93-19-00908 |
| SERIAL #  | 421           |   | HOBBS | 994.7        |
| PROP MOD.   | HC-E4N-3      |   | ACTT  | 994.7        |
| PROP S/N  | HH2932        |   | LNDS  | 755          |
| PROP TSN= 994.7 PTOH= 420.4   |               |   |       |              |
| 1. Performed a Standard Program B+ / Annual Inspection referencing TBM Maintenance Manual Part No. Z00.DMAMMPXEE0R47 chapters 05-0-02 and 05-20-05 and 14CFR 91.409(a)(1) and Part 43 Appendix D.<br>2. Lubricate propeller referencing Hartzell Propeller Owner's Manual 149.  |               |   |       |              |
| I certify this Propeller has been inspected in accordance with a B+ / Annual inspection per 14 CFR 91.409 (a)(1) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Details of the work are on file at this facility.<br>DATE <u>24/JULY/2019</u> SIGNED <u><i>Kevin Reisz</i></u><br>Kevin Reisz for CRS# MGOR426G |               |   |       |              |