

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL HC-E4N-3

PROPELLER S/N HH1158

LOGBOOK # _____

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 _____

Propeller Model HC-E4N-3

Propeller S/N HH1158

Blade Design D9083SK

Blade S/N's

No. 1 H72826

No. 2 H72827

No. 3 H72822

No. 4 H72820

No. 5 _____

No. 6 _____

Spinner Assembly Part No. _____

PITCH RANGE

High/Feather 86.0

Start Lock _____

Low 21.0

Reverse -11.0

Aircraft Manufacturer _____


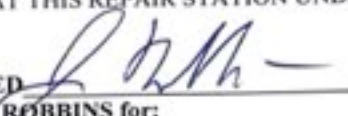
Aircraft Model _____

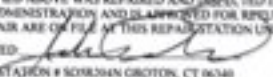
S/N _____

Registration _____

Date	Propeller TSN TSO		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
				<p>HARTZELL SERVICE CENTER 5465 W St Rt 185 Piqua, Ohio 45356-2634 U S A</p> <p>September 11, 2007 S/N: H11158 TSN: 388.3 TSO: 0.0</p> <p>Overhauled, and assembled propeller. Static balanced, lubricated, and inspected prop assembly. All work was performed in accordance with Hartzell manuals 143A-R12, 127-R2, 159-R6, 180-R1, 202A (Vol. 1-R31, Vol. 2-R28, Vol. 3-R28, Vol. 6-R29, Vol. 7-R30, Vol. 8-R28, Vol. 9-R28, Vol. 10-R29, Vol. 11-R29) and Hartzell Service Bulletins HC-SB-61-215-R4, HC-SB-61-225-R3, HC-SB-61-231, HC-SB-61-235-R1, HC-SB-61-276R4, HC-SB-61-289-R1 and Service Letters HC-SL-61-61Y-R1, HC-SL-61-229, HC-SL-61-241-R1, HC-SL-30-259-R6, HC-SL-30-260-R6, HC-SL-30-261, HC-SL-30-267 and Service Instruction 152A. Reference Form # 25 for serial numbers, and times. Pertinent details of the repair are on file at this agency under Work Order R024190. -----END-----</p> <p><i>Mark Baker</i> Mark Baker, Repairman # 2582389 Repair Station # S13R843L</p>

DATE		A/C		MDL		OPER	
9-17-07		Socata		TBM-700		R/L	
RUN	TYPE	RPM	VIB LEVEL	PHASE	WT1	LOC1	WT2
1	LS	1914.1	0.108 IN/S	130.7	11.40	0	4.90 90
2	LS	1905.9	0.156 IN/S	176.4	6.00	180	15.00 270
3	LS	1912.8	0.039 IN/S	114.9	-3.55	180	2.62 270
COMP: R024190		MDL: PT6A64		DESC: Vertical		WTS: 383.3	
HISTORY		VIEW PLOT		FILE		HIST	
MODE		FILE		TASK		HELP	
RUNS 1-3		PS=1.0		VIEW LIST		DONE	

Date	Propeller	A/C	Description of all maintenance pertaining to Aircraft Maintenance
			
January 23, 2014	N700HN	TBM 700B S/N: 204	HOBBS: 551.7 Hrs TT: 551.7 Hrs CYCLES: 271
	PT6A-64	S/N: PM-0082	SHSI: 551.7 TT: 551.7
	HC-E4N-3/EG083SK	S/N: HH-1158	SPOH: 163.4 TT: 551.7
<p>Removed and replaced one propeller de-ice boot with new P/N 4E2271-10 S/N 19746.</p> <p>THE AIRCRAFT, ENGINE, PROPELLER, AND APPLIANCES DESCRIBED ABOVE WERE REPAIRED AND INSPECTED IAW CURRENT REGULATIONS OF THE F.A.A. AND ARE APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER #4291.</p>			
<p>SIGNED </p> <p>JODE ROBBINS for: RICE LAKE AIR CENTER CRS # RL8R462J CAMERON, WI 54822</p>			

Propeller		Columbia Air Services, Inc.		Page 1 of 1
LOG BOOK ENTRY				
A/C REG: <u>N700HN</u>		A/C S/N: <u>204</u>		
DATE: <u>8/27/14</u>	A/C TOTAL TIME: <u>560.9</u>	HOUR METER: <u>560.9</u>		
W/O NO: <u>SMWO-14-4600</u>	ENGINE TOTAL TIME: <u>560.9</u>	S.M.O.H.		
<p>1. Removed this propeller, Hartzell Model HC-E4N-3 S/N: HH1158 in serviceable condition per owner's request due to installation of a new 5-bladed propeller, Hartzell STC #SA03291CH.</p>				
<p>Propeller TTSN: 560.9</p> <p style="text-align: center;">-----END-----</p>				
<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">MAINTENANCE RELEASE</p> <p style="font-size: small; margin: 0;">THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE 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</p> <p style="font-size: x-small; margin: 0;">W/O# <u>SMWO-14-4600</u> DATE <u>8/27/14</u> SIGNED </p> <p style="font-size: x-small; margin: 0;">FOR Columbia Air Services, Inc. FAA CERTIFIED REPAIR STATION # 300829AN GROTON, CT 06340</p> </div>				

1. Approving Civil Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form tracking Number: 16-0458	
4. Organization Name and Address: Sensenich Propeller Service, Inc. 1245 Palmour Place Suite A, Gainesville, Ga. 30501-6862					5. Work Order/Contract/Invoice Number: G21235	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Hartzell 4-Bladed Propeller Assembly	HC-E4N-3/ E9083SK	1	HH1158	Overhauled	
12. Remarks: Blade S/N's: H72826, H72827, H72822, H72820. Manuals: 143A R-18, 133C R-32 & 202A. Comply with S/Bs Thru: 369 S/Ls Thru: 353, S/Is Thru: 212A, S/As Thru: 52. All work done in accordance with Hartzell Specifications. This 8130-3 certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.6252. Propeller TSN: 560.9 Propeller TSO: -0-						
13a. Certifies the items above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 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:		14c. Approval/Certificate No.: S46R346N
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed): Daniel Landis		14e. Date (dd/mmm/yyyy): 16 Jun 2016
USER/INSTALLER RESPONSIBILITIES						
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)/articles(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.						


Sensenich Propeller Service, Inc.

1245 Palmour Place Suite A Gainesville, Ga. 30501

Phone (770)538-0444 Fax (770)538-0117 www.sensenichpropellers.com

16 Jun 2016
Invoice Number: G21235
Propeller Model: HC-E4N-3/D9083SK
Hub Serial No: HH1158
Blade S/N's: H72826
H72827
H72822
H72820
Blade Angles: Rev: -11.0
Low: 21.0
Feather: 86.0
Propeller TSN: 560.9
Propeller TSO: -0-

 Disassemble, Service, Zyglo, Magnaflux, Assemble, Set Angles, Check Track and
 Balanced - Overhaul. All Work Done In Accordance With Hartzell Specifications.

Daniel Landis

Repair Station S46R346N

 Model HC-E4N-3
 S/N HH1158
 Reg. # N86CH
 TSO 0.0
Atlanta Turbine Management
500 Briscoe Blvd. Ste.201
Lawrenceville, Georgia 30046

 Date 06/21/16
 AFTT 1238.9
 Hobbs 1238.9
 Invoice 7091

- Installed this propeller on TBM N86CH. Overhauled prop(exchange).
 HC-E4N-3. S/N HH1158. Overhauled by Sensenich under their WO#G21235. Prop TSN 560.9. TSO 0.0 hrs.
- Installed new Carbon Block P/N CA3026.
- Performed Dynamic balance using Aces pro balance to .07 I.P.S.

 This aircraft and or component identified above was repaired and inspected in accordance with current federal air regulations and was found to be
 airworthy for return to service. Pertinent details are found on file under invoice number.


A&P138745785

Authorized Service Center

[illegible]

2456 Winchester Rd. Hgt 14 Memphis, Tennessee 38116		Total Air Group		901-596-9707 901-596-9708 Fax	
		CRS #: 21TR987Y			
Airworthiness Release					
N: N86CH		S/N: 543	W/O: MEM10082	TT: 1,835.20	Cycles: N/A
Position: FRONT	TSN: 1,157.20	TSO: 596.30	TSI: N/A		
	CSN: N/A	CSO: N/A	CSE: N/A		
HC-ED4-3 N/N 10H1158 *C/W H INSPECTION SAW TBMK50 AMM-05-20-04 *GROUND RUN PROPELLER, OPERATIONAL. CHECKS SATISFACTORY AT THIS TIME NO LEAKS NOTED FROM PROPELLER AREA AT THIS TIME. PROPELLER OK FOR RETURN TO SERVICE. —END—					
The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.					
AMT			Date	8 JAN 2018	
Page 1 of 1					

[illegible]

2456 Winchester Rd Hgr 14 Memphis, Tennessee 38116		Total Air Group CRS #: 21TR987Y		901-396-9707 901-396-9708 Fax	
Airworthiness Release					
N: N86CH		S/N: 543		W/O: MEM11571	
Position: FRONT		TSN: 1,550.30		Hobbs: 2,228.30	
		CSN: N/A		TT: 2,228.30 Cycles: N/A	
				TSO: 989.40	
				TSL: N/A	
				CSO: N/A	
				CSI: N/A	
HC-E4N-3 SERIAL NUMBER: HH1158 *COMPLIED WITH TBM 850 STANDARD "C" INSPECTION IN REFERENCE TO SOCATA TBM 850 MM 5-20-04 * LUBED PROPELLER *GROUND RUN PROPELLER, OPERATIONAL CHECKS SATISFACTORY AND AND LEAKS NOTED FROM PROPELLER AREA AT THIS TIME. PROPELLER RETURN TO SERVICE-----END----- -----					
The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.					
AMT 		Date: Feb 4, 2019			
Page 1 of 1					

Date

Model HC-E4N-3
 S/N # HH1158
 Reg # N86CH

Atlanta Turbine Management
500 Briscoe Blvd, Suite 201
Lawrenceville, Georgia 30045

Date 11/06/19
 PTSN: 1755.3
 Aft: 2433.3
 Invoice 7458

- C/W an A+ Annual inspection IAW TBM M/M R47, and 14 CFR Parts 43 Appendix D IAW 91.409(a)(1).
- C/W 12 mo. lubrication.
- Dressed and painted prop using Polane paints IAW Hartzell M/M.

This aircraft and/or component identified above was repaired and inspected in accordance with current federal air regulations and was found to be airworthy for return to service. Pertinent details are found on file under invoice number.

I certify this **Propeller** has been inspected IAW an **Annual Inspection** and has been found to be in Airworthy condition.

Joshua Lenoir AP138745785IA
TBM
Service Center

2456 Winchester Rd Hqr 14
 Memphis, Tennessee 38116
 (21TR987Y)

Total Air Group

CRS #: 21TR987Y

901-396-9707
 901-396-9708 Fax

Airworthiness Release

N: N86CH	S/N: 543	W/O: MEM13068	TT: 2,621.20	Cycles: N/A
Position: FRONT	TSN: N/A	TSO: N/A	TSI: N/A	
	CSN: N/A	CSO: N/A	CSI: N/A	

COMPLIED WITH 100 HR INSPECTION, PROPELLER PORTION OF B+ ANNUAL INSPECTION IAW TBM850 AMM 05-20-02 & 14 CFR 43 APPENDIX "D". NO DEFECT OR LEAKS WERE FOUND AT THIS TIME

The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

AMT *Coll*

Date: 1-14-21

Date

Propeller
TSN TSOA/C
HrsDescription of all operations pertaining to Airworthiness Directives,
Service Documents, Overhaul, Major or Minor Repair, and Inspections.2456 Winchester Rd. Hgr 14
Memphis, Tennessee 38116
(211R987Y)**Total Air Group**

CRS #: 211R987Y

901-396-9707
901-96-9708 Fax**Airworthiness Release**N: N86CH
Position: N/AS/N: 543
TSN: 1,074.20
CSN: N/AW/O: MEM13761
Hobbs: 2,752.20
TSO: N/A
CSO: N/ATT: 2,752.20 Cycles: N/A
TSI: N/A
CSI: N/A

PROPELLER HC-E4N-3 S/N HH1158

*COMPLIED WITH A + PROPELLER ANNUAL INSPECTION IAW TBM850MM 61-10-00. NO DEFECTS NOTED AT THIS TIME.

*REMOVED OLD CARBON BLOCK AND INSTALLED NEW ONE IAW HARTZELL MM61-10-43. NO DEFECTS NOTED.

--END--

The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

AMT:

Date:

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2456 Winchester Rd.
Hangar 14
Memphis, Tennessee 38116
United States**FTair LLC 145 Repair Station**

CRS #: 211R987Y

901-396-9707
Fax**Airworthiness Release**N: N86CH
Position: FWDS/N: 543
TSN: N/A
CSN: N/AW/O: MEM14619
Hobbs: 2,869.50
TSO: N/A
CSO: N/ATT: 2,869.50 Cycles: N/A
TSI: N/A
CSI: N/A

PROP S/N HH1158

COMPLIED WITH B+ INSPECTION/ ANNUAL IAW TBM850 MM 5-20-02--END--

The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

AMT:

Date:

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