



**HARTZELL**

# PROPELLER LOGBOOK

PROPELLER MODEL HC-E5N-3C

PROPELLER S/N RJ168

LOGBOOK # 1



Leading the Business of Aviation

PROPELLER  
RECORD ENTRY

Registration	N74MA ✓
Model No.	TBM 700
Serial No.	385
Propeller M/N	HC-E5N-3C
Propeller S/N	RJ168

✓  
Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	1915.9
Total Time	187.4
TSOH	--

12/16/2016

Page 1 of 1

1. COMPLIED WITH SOCATA TBM850 STANDARD PROGRAM "A" INSPECTION AS PER SOCATA TBM 850 MAINTENANCE MANUAL, CHAPTER 05-20-02 INSPECTION CHECKLIST.
2. PEFORMED POST INSPECTION GROUND RUN AND LEAK CHECK WITH SATISFACTORY RESULTS.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-3983**

Date: 12/16/2016

Authorized Signature:

Tom Bierschwale



Cutter Aviation Dallas, Inc.  
4500 Claire Chennault Dr.  
Addison, TX 75001



Registration: N74MA ✓  
Model No. TBM700N  
Serial No. 385

✓ **Propeller Log Entry**  
PN HC-E5N-3C SN RJ168

Hour Meter 1963.7  
Aircraft TT 1963.7  
Propeller TT 235.2

Performed an B+ Inspection in accordance with TBM 700 maintenance manual Chapter 5-20-03 checklist.  
Performed Hartzell 5 bladed propeller ICA's. annual inspection and lubrication in accordance with Hartzell Owner's manual No.147.  
Removed propeller beta arm brush block and replaced with new PN A3026 in accordance with MM 61-20. Secured. Operational check good. No defects noted. -

I certify this Propeller was inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-4524

Date: April, 4 2017

CRS# UXCR663X

Robert Fulcher



Cutter Aviation Dallas, Inc.  
4500 Claire Chennault Dr.  
Addison, TX 75001



Registration: N74MA ✓  
Model No. TBM700N  
Serial No. 385

✓ **Propeller Log Entry**  
PN HC-E5N-3C SN RJ168

Hour Meter 2166.4  
Aircraft TT 2166.4  
Propeller TT

Performed an A+ Inspection in accordance with TBM 700 maintenance manual Chapter 5-20-02 checklist.  
Performed Hartzell 5 bladed propeller ICA's. annual inspection and lubrication in accordance with Hartzell Owner's manual No.147.  
Removed and replaced carbon beta brush block with new PN A3026 in accordance with MM 61-20-00. No defects noted. Saftied as required.

I certify this Propeller was inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-4875

Date: April, 20 2017 ✓

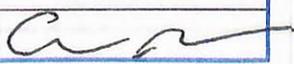
CRS# UXCR663X

Robert Fulcher

Da	 Leading the Business of Aviation		Cutter Aviation Dallas, Inc. 4500 Claire Chennault Dr. Addison, TX 75001			
	Registration:	N74MA ✓	✓ <b>Propeller Log Entry</b> PN HC-E5N-3C SN RJ168		Hour Meter	2341.8
	Model No.	TBM700N			Aircraft TT	2341.8
Serial No.	385	Propeller TT			613.3	
<p>Performed a C+ Inspection in accordance with TBM 700 maintenance manual Chapter 5-20-04 checklist.</p> <p>Performed Hartzell 5 bladed propeller ICA's, annual inspection and lubrication in accordance with Hartzell Owner's manual No.147.</p> <p>Complied with Hartzell 5 bladed propeller ICA coin tap inspection of erosion shield in accordance with Hartzell MM 61-13-35 rev 27. No defects noted. ✓</p> <p>Removed and replaced carbon block in accordance with MM 61-10. Installed new propeller beta block with new PN A-3026. No defects noted.</p> <p>I certify this Propeller was inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.</p> <p>The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order#: 06M-5234</p>						
Date:		June 6, 2019		CRS#	UXCR663X	
					 Robert Fulcher	

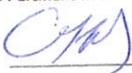
		 Leading the Business of Aviation		PROPELLER RECORD ENTRY	
Registration	N74MA ✓	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	2495.8
Model No.	TBM 850			Total Time	767.3
Serial No.	385			Date in Serv.	4-18-2016
Propeller M/N	HC-E5N-3C			TSOH	-
Propeller S/N	RJ-168			Page 1 of 1	
<ol style="list-style-type: none"> <li>INSPECTED THIS PROPELLER USING DAHER TBM700 MM CHAPTER 5-20-02 (STANDARD PROGRAM A INSP) AND 05-20-05 (12 MONTH SPECIAL CHECKS) AND HARTZELL ICA DOCUMENT 032513 AND HARTZELL OWNER'S MANUAL #147 AS GUIDES.</li> <li>COMPLIED WITH 12 MONTH PROPELLER PERIODIC INSPECTION. HARTZELL MANUALS 147 AND 149.</li> <li>COMPLIED WITH 12 MONTH BETA RING AND CARBON BLOCK DIMENSIONAL INSPECTION. NO DEFECTS FOUND. REFERENCE HARTZELL MM 147.</li> <li>REMOVED EXISTING GREASE FITTINGS P/N A-279 AND INSTALLED NEW 45 DEGREE FITTINGS P/N C-6349. REFERENCE HARTZELL PROPELLER OWNERS 147 MM 61-00-47.</li> <li>REMOVED ALL PROPELLER DEICE BOOT ZIP TIES P/N B-3852-2-0 AND INSTALLED NEW ZIP TIES P/N B-3852-2-0 IAW HARTZELL DEICE MANUAL 181 CH 30-60-81.</li> <li>COMPLIED WITH 12 MONTH PROPELLER LUBRICATION. REFERENCE HARTZELL MANUAL 147.</li> <li>PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.</li> </ol>					
<p>The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 11M-5259.</p>					
Date:	6-04-2020		Authorized Signature:	 S.HOLLIDAY	

Date	Propeller		A/C	Description of all operations pertaining to Airworthiness Directives, Maintenance, Repair, and Inspections								
	TSN	TSO		H	N#:	WO#:	Prop Make:	Date:	Prop Model:	Prop SN:	Cycles:	Date of OH:
					N74MA ✓		Hartzell		HC-E5N-3			
						31						
						8/2/2021						
				Hobbs:	2545.5	ATT:	2545.5					
				PTT:	817	PTSOH:	N/A					
				Complied with Phaes inspections A, B, & C in accordance with TBM AMM chapter 5 and Hartzell Propeller Owners Manual Chapter 61.								
				Complied with carbon block and beta ring dimension check IAW Hartzel Maintenance Practices section 61.								
				Replaced carbon block A-3026 IAW Hartzell MM Section 61-10-43.								
				I certify this propeller has been inspected in accordance with Phaes inspections A, B, & C Per TBM AMM chapter 5 inspection checklist and was found to be in airworthy								
				Technician:	Robert Stone	License:	A&P3654665IA	Signature:				
				<del>NOT USED</del>								

				N#:	N74AM ✓	Make:	Hartzell
				WO#:	510	Model:	HC-E5N-3C
				Date:	09-22-22	SN:	RJ168
				Hobbs:	2719.70	PTT:	991.20
-C/W A+ inspection IAW AMM Chapter 5 of and the Propellers Owner's Manual No 147 Chapter -CW the 12mo Prop Lube IAW Hartzell Prop Manual No 147 Chapter 61. This prop is approved for return to service.							
Technician:	Chris Johnson	License:	AP3816391	Signature:			



Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
				Page 1 of 1
C.R.S X1IR595Y				205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188   Fax: (805) 389-3323
N74MA		Work Order No: MXCA1380		May 22, 2023
Propeller MFR: Hartzell		Model: HC-E5N-3C/NC8834K		SN: RJ168
HOBBS: 2,781.00 TSN: 1,052.50		TSO:		
<p>Complied with a "B" inspection plus annual in reference to Daher MM Chapter 05-20-03, 05-20-05 and Hartzell MM 147. All AD's checked through revision 2023-10; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.</p> <p>Complied with 6 year or 4000 hr (whichever comes 1st) overhaul of 5 bladed P/N HC-E5N-3C S/N RJ168. Reinstalled after overhaul I.A.W. Hartzell MM 147. Operational check good.</p> <p>Removed worn beta block and replaced with new I.A.W. Hartzell MM 147. Operational check good.</p> <p>This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCA1380.</p>				
				  Signature Date 5/22/2023
For: FAA Approved Repair Station # C.R.S X1IR595Y				

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
				Page 1 of 1
C.R.S X1IR595Y				205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188   Fax: (805) 389-3323
N74MA		Work Order No: MXCA2704		April 26, 2024
Propeller MFR: Hartzell		Model: HC-E5N-3C/NC8834K		SN: RJ168
HOBBS: 2,974.10 TSN: 1,245.60		TSO: 193.10		
<p>Complied with an "A" inspection plus annual in reference to Daher MM Chapter 05-20-02 05-20-05, and Hartzell MM 147. All AD's checked through revision 2024-08; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.</p> <p>Complied with 12 month/200 hr de-ice circuit resistance check in the propeller de-icing system I.A.W. Hartzell Manual 180, Paragraph E, Page 5-40. No defects noted.</p> <p>Complied with 12 month/600 hr coin tap test of the erosion shield surface per Hartzell Manual 147 requirement and I.A.W. procedure outlined in Hartzell Manual 170.</p> <p>Removed propeller carbon beta block and replaced with new I.A.W. Hartzell MM 147.</p> <p>This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCA2704.</p>				
				  Signature Date 04/26/2024
For: FAA Approved Repair Station # C.R.S X1IR595Y				

6 Item	7 Description	8 Part Number	9 Quantity	10 Serial Number	11 Status/Work
1	Hartzell Propeller	HC-E5N-3C / NC8834K	1	RJ168	Overhauled

12 Remarks

Overhauled propeller in reference to Hartzell Service Manual #158A, Rev. 23, and other supporting documents. Complied with Service Letters thru HC-SL-61-366, and Service Bulletins thru HC-SB-61-392, Rev. 2. No AD's currently apply. Next Overhaul Due: 4000 hours, or 72 calendar months, whichever occurs first.

	TSN	TSO
Propeller	3171 2	0 00
Hub S/N - RJ168	3171 2	0 00
Blade # 1 - B5695	983 3	0 00
Blade # 2 - B5793	983 3	0 00
Blade # 3 - B5745	983 3	0 00
Blade # 4 - B5824	983 3	0 00
Blade # 5 - B5848	983 3	0 00

A complete description of work performed is on file at the above referenced organization under the work order and system tracking reference number indicated in blocks 3 and 5. Notice: An Airworthiness Directive may apply to the article(s) described hereon. The installer is responsible for ensuring complete compliance with any applicable Airworthiness Directives. Certifies that the work specified in block 11 / 12 was carried out in accordance with FAR Part-145 and EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Approval Number: EASA 145 4827"

13a. Certifies 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 12

14a.  14 CFR 43.9 Return to Service  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:
		<i>[Signature]</i>	FR6R545N
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
		Dave Hampel	16 Sep 2025

**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) 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.



C.R.S X11D595Y 205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188 | Fax: 805-389-1188

N74MA	Work Order No: MXCA3644	May 09, 2025
Propeller MFR: Hartzell	Model: HC-E5N-3C/NC8834K	SN: RJ168
HOBBS: 3,168.60	TSN: 1,440.10	TSO: 387.60

Complied with a "C" inspection plus annual in reference to Daher MM Chapter 05-20-04, 05-20-05, and Hartzell MM 147. All AD's checked through revision 2025-09; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.

Complied with 12 month/200 hour de-ice circuit resistance check in the propeller de-icing system I.A.W. Hartzell Manual 180, Paragraph E, Page 5-40. No defects noted.

Complied with 12 month/600 hour coin tap test of the erosion shield surface per Hartzell Manual 147 requirement and I.A.W. procedure outlined in Hartzell Manual 170.

Removed worn beta block and replaced with new I.A.W. Hartzell MM 147. Ops check good.

Dressed and painted the aircraft propeller I.A.W. Hartzell MM 147.

Performed propeller balance I.A.W. MicroVibe II Users Manual 1013. Final reading .042 IPS @ 1673 R.P.M.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCA3644.

*[Signature]* AVEX 10 5/9/2025  
 Signature Date