

HARTZELL

PROPELLER OWNER'S MANUAL



HARTZELL PROPELLER INC
INSPECTION

Item Number: B5P101055

Date: 10/4/2007

Work Order #: M505720

Model Number: HC-B5MP-3C/M10876ANS

Ass'y Ser No.: EVA2970 Hyd Unit No.: NA Bulkhead No.: 0703136 Valve No.: NA

Blade 1: K57000	Blade 2: K57007	Blade 3: K57003	Blade 4: K56999	Blade 5: K57006	Blade 6:
Clamp 1: F19856	Clamp 2: F19849	Clamp 3: F19839	Clamp 4: F19850	Clamp 5: F19847	

Reverse	Start Lock	Low Pitch	High Pitch	Feather	Position	Orient.	Qty./A	St	Scr	A-2424-1	Washer
-11.0	NA	16.5	NA	79.0	5	F	0	6	0	0	0
Ref Radius (inches) for angles: 42					5	C	0	0	0	0	3

Comments:

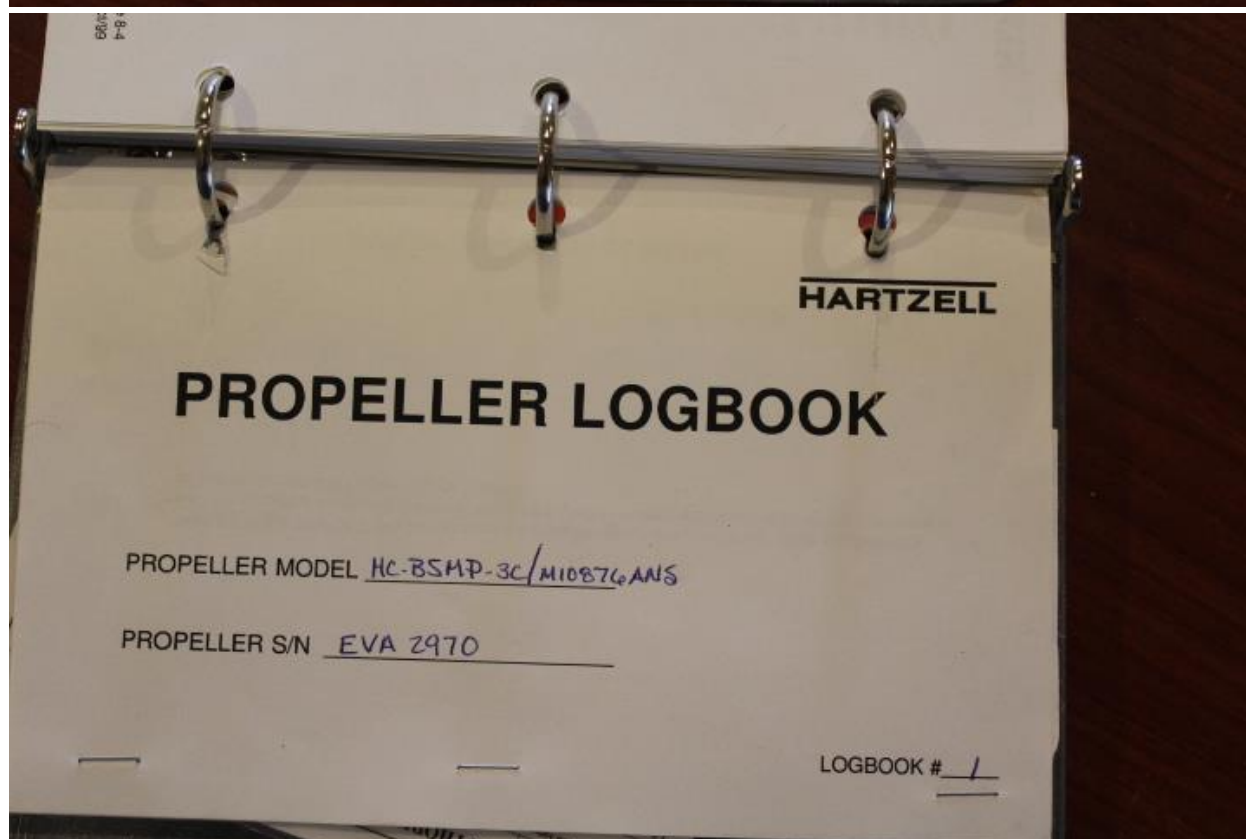
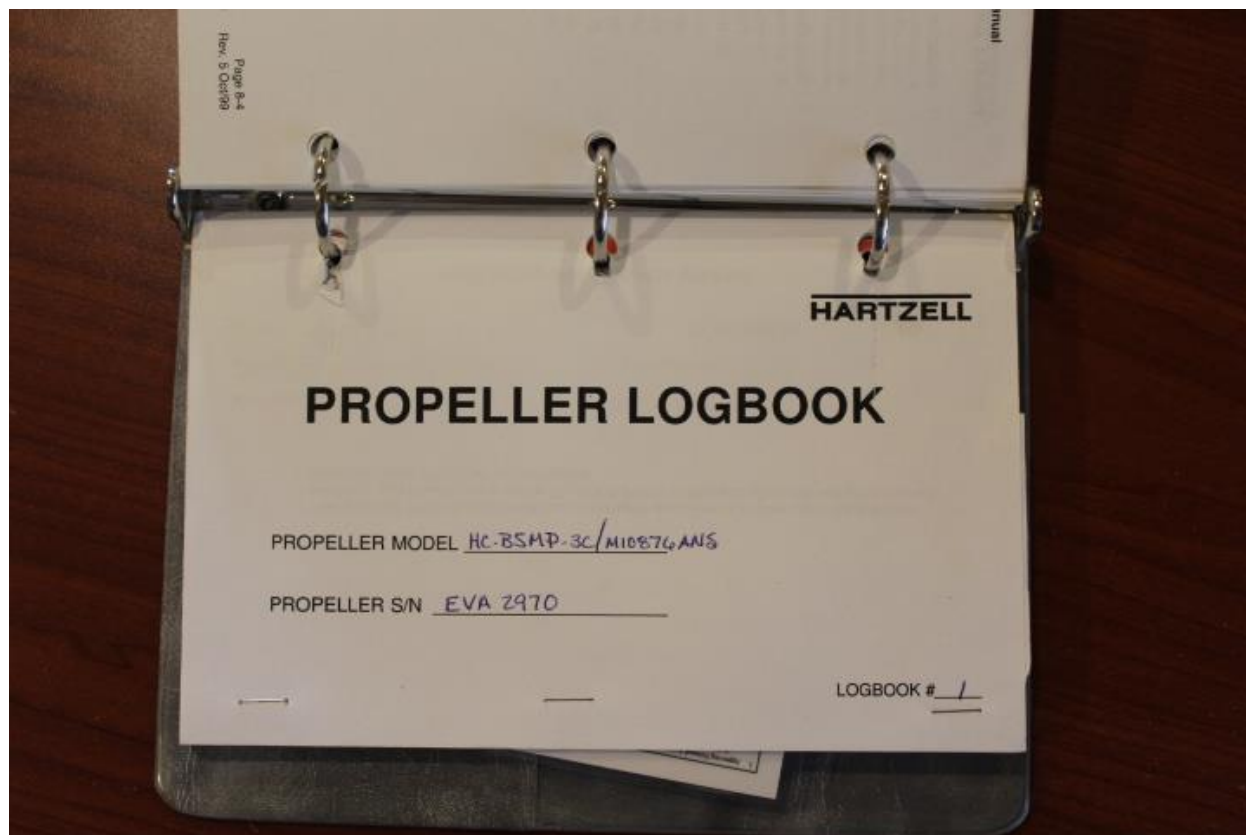
Deice Kit: NA

Packing
Certified By:

Date:

Inspected By: John Martin

The approved design data for this propeller incorporates all changes required by applicable Airworthiness Directives.



PROPELLER MAINTENANCE RECORD

Position Centerline

PITCH RANGE

Propeller Model HC-BSMP-3C

High/Feather 79.0

Propeller S/N EVA 2970

Start Lock NA

Blade Design M10876ANS

Low 16.5

Blade S/N's

Reverse -11.0

No. 1 K57000

Aircraft Manufacturer Air Tractor, Inc.

No. 2 K57007

Aircraft Model AT-602

No. 3 K57003

S/N 602-1156

No. 4 K56999

Registration N132JW

No. 5 K57008

No. 6

Spinner Assembly Part No.

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
12 Feb 2009		573.1	C/w 100 hr inspection Ipw Hartzell maintenance manual.
			Approved for return to service. (Signature) 524393114 A&P.
THIS PROPELLER/COMPONENT HAS BEEN OVERHAULED/REPAIRED AS PER MAINTENANCE RELEASE TAG UNDER WORK ORDER NO. 18230 DATED 11/12/2010 FOR: HC-BSMP-3C S/N: EVA2970 MEMPHIS PROPELLER SERVICE, INC. OLIVE BRANCH, MISSISSIPPI PAA C.R.S. #PI4R441M BY: <u>Trong Vu, Chief Inspector</u>			

Dec 02 2013	2334		Inspected + Lubed this propeller in accordance with Hartzell Manual #139. Donald S Brewer 4321120550
3/23/13	2406		Inspected + Lubed this propeller in accordance with Hartzell Manual. Donald S Brewer 4321120550
1/6/13	2545		Inspected + Lubed this propeller in accordance with Hartzell Manual. Donald S Brewer 4321120550
10/2/13	2731		Inspected + Lubed this propeller in accordance with Hartzell Manual. Donald S Brewer 4321120550

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Date	Propeller		A/C HIS	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
3/21	2013		2338	This propeller was removed for overhaul + reinstalled after overhaul see entry from Memphis Propeller dated 3-21-2013. Propeller installed, torqued + safetied in accordance with Hartzell manual. Dynamically balanced to acceptable limits Donald S Brewer 4321120550

THIS
BEEN
PER M
UNDER
DATED
FOR:
MEMPHIS
OLIVE
FAA C
BY:

1. Approving National Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE TAG FAA Form 8130-3, AIRPLANE MEMPHIS PROPELLER SERVICE, INC. 1109 Wilcox Ridge Drive - Olive Branch, Mississippi 38654		3. Part Tracking Number: 032113	
4. Organization Name and Address: MEMPHIS PROPELLER SERVICE, INC. 1109 Wilcox Ridge Drive - Olive Branch, Mississippi 38654		5. Part Number: HC-85MP-3C		6. Work Order/Contract/Release No.: 19737	
7. Item:	8. Description:	9. Part Number:	10. Quantity:	11. Serial / Batch Number:	12. Date / Work:
1	Propeller	HC-85MP-3C	NA	EVA2970	Overhauled
13. Remarks: Overhauled Propeller Assembly with Factory New Blades in Accordance with FAA Approved Data. Full Details of Work Carried Out Per Work Order 19737. TSN: 156 TSO: 0.0 Blade Model: M1005ANS S/N: L33807, L33808, L33809, L33810, L33811					
14. Certificate the items described above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ New approved design data specified in Block 17.			15. ☒ 14-CTB ACS Return to Service ☐ Other regulations specified in Block 17. Certificate that unless otherwise specified in Block 17, the work described in Block 12 and described in Block 13 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.		
16. Authorized Signature:		17. Approval Authority No.: 0000000		18. Approved Signature: Truong Vu, Chief Inspector	
19. Name (Typed or Printed):		20. Date (Typed or Printed): Mar 21, 2013		21. Approved Certificate No.: PIAR441M	
Unauthorized Responsibilities It is imperative to understand that the contents of this document does not automatically constitute authority to work the performance/assembly. Where the undersigned performs work in accordance with the national regulations of an aeronautical authority different than the aeronautical authority of the country specified in Block 1, it is essential that the undersigned ensure that such aeronautical authority accepts performance/assembly from the aeronautical authority of the country specified in Block 1. Instruments in Blocks 14 and 15 do not constitute maintenance certification. In all cases, aircraft maintenance records must contain an installation and alteration record in accordance with the national regulations of the aeronautical authority before the aircraft may be flown. FAA Form 8130-3 (a-01) This document must be checked eligibility with applicable national laws GEN: 8052-90112-9000					

THIS PROPELLER/COMPONENT HAS
BEEN OVERHAULED/REPAIRED AS
PER MAINTENANCE RELEASE TAG
UNDER WORK ORDER NO. 19737
DATED 03/21/2013
FOR: HC-85MP-3C S/N EVA2970
MEMPHIS PROPELLER SERVICE, INC.
OLIVE BRANCH, MISSISSIPPI
FAA C.R.S. # PIAR441M
BY:
Truong Vu, Chief Inspector

RECORDS

ANTI-ICE AND DE-ICE

MAINTENANCE

INSPECTION AND
CHECK

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
			1601 Hwy 84 East Hayti, MO. 63851 Repair Station No. DFQR172D Phone (800)325-0885
MAKE Hartzell		MODEL HC-B5MP-3C	SERIAL NUMBER EVA2970
TOTAL TIME 2839.0		TACH TIME 2839.0	REGISTRATION N132JW
			TIME SINCE O/H 481.0
COMPLETED ANNUAL INSPECTION THIS DATE IN ACCORDANCE WITH AIR TRACTOR INSPECTION CHECKLIST AND HARTZELL MANUAL 139. COMPLETED A.D. COMPLIANCE AND APPLICABILITY CHECK; SEE COMPLETE REPORT LOCATED IN LOGS. ALL WORK ACCOMPLISHED I/A/W AIR TRACTOR AIRCRAFT, PRATT & WHITNEY ENGINE AND HARTZELL PROPELLER MAINTENANCE MANUALS. FINAL INSPECTION PERFORMED OF ALL WORK ACCOMPLISHED, PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER AS INDICATED BELOW. ENGINE GROUND RUN, LEAK CHECKED AND OPERATIONALLY CHECKED THROUGH ALL PARAMETERS. PROPELLER APPROVED FOR RETURN TO SERVICE.			
I CERTIFY THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY			
W.O. 33983		11-06-2014	KEVIN JACKSON <i>Kevin Jackson</i>

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
			1601 Hwy 84 East Hayti, MO. 63851 Repair Station No. DFQR172D Phone (800)325-0885
MAKE Hartzell		MODEL HC-B5MP-3C	SERIAL NUMBER EVA2970
TOTAL TIME 3382.7		TACH TIME 3382.7	REGISTRATION N132JW
			TIME SINCE O/H 1024.7
COMPLETED ANNUAL INSPECTION THIS DATE IN ACCORDANCE WITH AIR TRACTOR INSPECTION CHECKLIST AND HARTZELL MANUAL 139. COMPLETED A.D. COMPLIANCE AND APPLICABILITY CHECK; SEE COMPLETE REPORT LOCATED IN LOGS. ALL WORK ACCOMPLISHED I/A/W AIR TRACTOR AIRCRAFT, PRATT & WHITNEY ENGINE AND HARTZELL PROPELLER MAINTENANCE MANUALS. FINAL INSPECTION PERFORMED OF ALL WORK ACCOMPLISHED, PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER AS INDICATED BELOW. ENGINE GROUND RUN, LEAK CHECKED AND OPERATIONALLY CHECKED THROUGH ALL PARAMETERS. PROPELLER APPROVED FOR RETURN TO SERVICE.			
I CERTIFY THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY			
W.O. 34248		12-14-2015	KEVIN JACKSON <i>Kevin Jackson</i>

VELOCITY
FREQUENCY - REVOLUTIONS PER MINUTE - (R.P.M.)

MIDCONTINENT
Aircraft Corporation

1601 Hwy 84 East
Hayti, MO. 63851
Repair Station No. DFQR172D
Phone (800)325-0885

MAKE Hartzell	MODEL HC-85MP-3C	SERIAL NUMBER EVA2970	REGISTRATION N132JW
TOTAL TIME 4215.1	TACH TIME 4215.1	TIME SINCE O/H 1462.1	

COMPLETED ANNUAL INSPECTION THIS DATE IN ACCORDANCE WITH AIR TRACTOR INSPECTION CHECKLIST AND HARTZELL MANUAL 139. COMPLETED A.D. COMPLIANCE AND APPLICABILITY CHECK. SEE COMPLETE REPORT LOCATED IN LOGS. ALL WORK ACCOMPLISHED I/A/W AIR TRACTOR AIRCRAFT, PRATT & WHITNEY ENGINE AND HARTZELL PROPELLER MAINTENANCE MANUALS. FINAL INSPECTION PERFORMED OF ALL WORK ACCOMPLISHED. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER AS INDICATED BELOW. ENGINE GROUND RUN, LEAK CHECKED AND OPERATIONALLY CHECKED THROUGH ALL PARAMETERS. PROPELLER APPROVED FOR RETURN TO SERVICE.

I CERTIFY THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY

W.O. 34808 2-3-2018 KEVIN JACKSON *Kevin Jackson*

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RECORDS ANTI-ICE AND DE-ICE SYSTEMS MAINTENANCE PRACTICES INSPECTION AND CHECK

Date Propeller TSN TSO A/C Hrs Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.

MIDCONTINENT
Aircraft Corporation

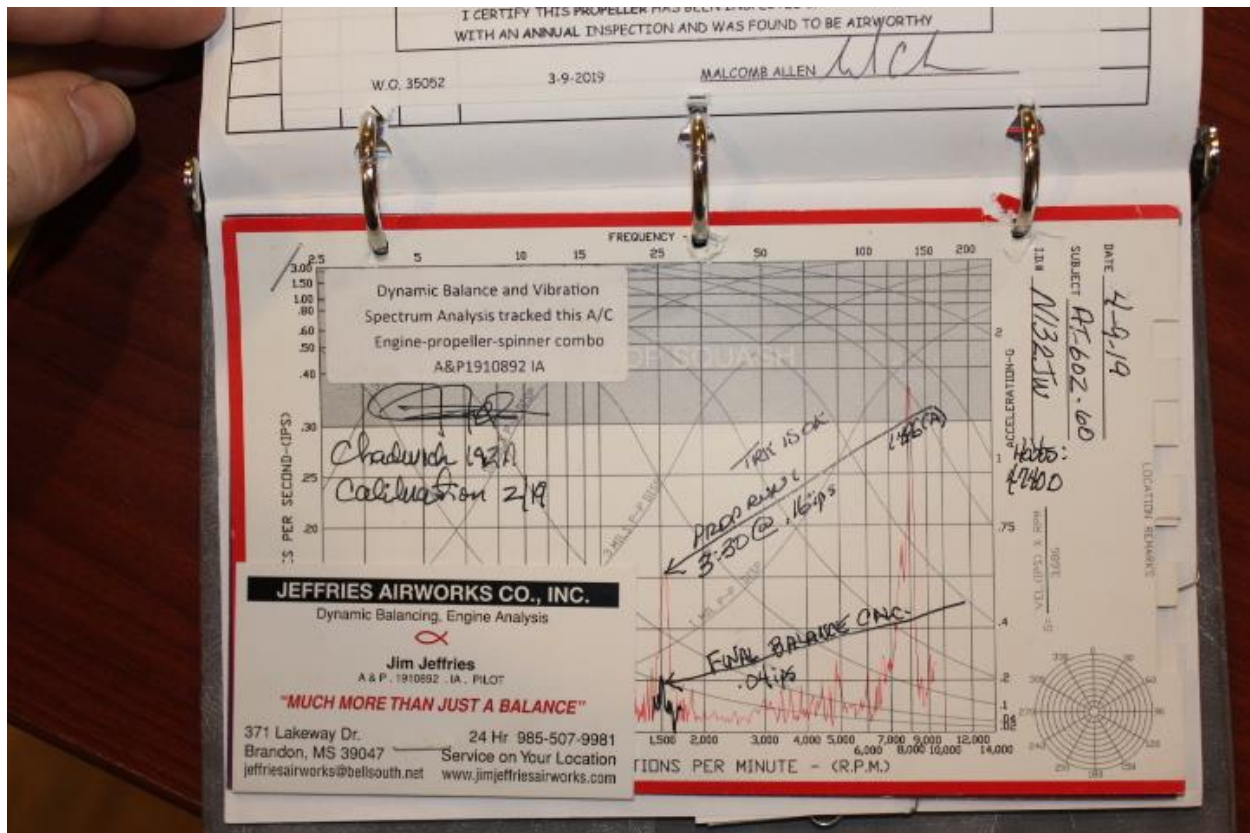
1601 Hwy 84 East
Hayti, MO. 63851
Repair Station No. DFQR172D
Phone (800)325-0885

MAKE Hartzell	MODEL HC-85MP-3C	SERIAL NUMBER EVA2970	REGISTRATION N132JW
TOTAL TIME 4718.3	TACH TIME 4718.3	TIME SINCE O/H 1965.3	

COMPLETED ANNUAL INSPECTION THIS DATE IN ACCORDANCE WITH AIR TRACTOR INSPECTION CHECKLIST AND HARTZELL MANUAL # 139. COMPLETED A.D. COMPLIANCE AND APPLICABILITY CHECK. SEE COMPLETE REPORT LOCATED IN LOGS. ALL WORK ACCOMPLISHED I/A/W AIR TRACTOR AIRCRAFT, PRATT & WHITNEY ENGINE AND HARTZELL PROPELLER MAINTENANCE MANUALS. FINAL INSPECTION PERFORMED OF ALL WORK ACCOMPLISHED. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER AS INDICATED BELOW. ENGINE GROUND RUN, LEAK CHECKED AND OPERATIONALLY CHECKED THROUGH ALL PARAMETERS. PROPELLER APPROVED FOR RETURN TO SERVICE.

I CERTIFY THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY

W.O. 35052 3-9-2019 MALCOMB ALLEN *Malcomb Allen*



OZARK AIRCRAFT MAINTENANCE LLC
CAPE GIRARDEAU REGIONAL AIRPORT,
CAPE GIRARDEAU MO

February 1, 2020 N132JW Air Tractor AT-602 S/N 1156
Hr meter 5070.1 Total Time 5070.1 TSOH 2317.1
Hartzell HC-BSMP-3C S/N EVA2970
Greased hub filed small nicks from blades.
I certify that this propeller has been inspected IAW
FAR 43 App (d) a 100 hr inspection and was determined
to be in an airworthy condition.
Brian J Ozark
Brian J Ozark AP41640790

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RECORDS

DATE

MIDCONTINENT
Aircraft Corporation

MAKE
HARTZELL

MODEL
HC-B5MP-3C

TOTAL TIME
5499.8

TACH TIME
5499.8

REMOVED PROPELLER AND SENT TO STALLINGS AIRCRAFT AFTERWARDS, WITH A NEW SHAFT O' RING. NEW GREASED PROPELLER WITH AEROSHELL #5 GREASE. GROUND RUN, LEAK CHECKED, AND CHECKED OPER. WORK ACCOMPLISHED IN ACCORDANCE WITH H. MAINTENANCE MANUAL, AND MICROVIBE PROP BALANCE ON ALL WORK ACCOMPLISHED. PERTINENT DETAILS A NUMBER AS INDICATED BELOW. AIRCRAFT APPROVED

W.O. 35524 12-16-2020

Disassembled, cleaned, and visually inspected. Replaced hub with overhauled hub. Repaired, Resealed, Reassembled and tested. REF. FMA Approved data

Hartzell maintenance manual: 133C, 202A, 132A

On file under WLO # 8355

Coofy Swilling

OZARK AIRCRAFT MAINTENANCE LLC
CAPE GIRARDEAU REGIONAL AIRPORT,
CAPE GIRARDEAU MO

February 1, 2021 N132JW Air Tractor AT-602 S/N 1156
Hr meter 5505.4 Total Time 5505.4 TSOH 2752.4
Hartzell HC-B5MP-3C S/N EVA2970
Greased hub filed small nicks from blades
I certify that this propeller has been inspected IAW
FAR 43 App (d) a 100 hr inspection and was determined
to be in an airworthy condition.

[Signature]
Draig J. Ozark, AP41640790

MIDCONTINENT
Aircraft Corporation

MAKE
HARTZELL

MODEL
HC-B5MP-3C

TOTAL TIME
5499.8

TACH TIME
5499.8

INSPECTED AND LUBRICATED PROPELLER WITH AEROSHELL #5 GREASE. BAL @ 12 deg. ALL WORK ACCOMPLISHED IN ACCORDANCE WITH HARTZELL PROP ENGINE GROUND RUN, LEAK CHECKED AND OPERATED THROUGH ALL PARAMET PERTINENT DETAILS OF ALL WORK ACCOMPLISHED ARE ON FILE AT THIS REP

I CERTIFY THAT THIS PROPELLER HAS BEEN ANNUALLY INSPECTED AND IS

W.O. 28804 01/28/2022

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
Patton Aircraft Repair Date: 2/1/2023 N132JW EVA2339 Hobbs & TT: 6236.0 Hrs Installed prop to N132JW after IRAN at Stallings Propeller see 8130-3 W/O 8879 dated Jan. 30 2023. Bolts torqued per Hartzell manual #139 an AD 83-08-01 R2 and saftied. Prop greased with Nyco grease and balanced with Aces 2020HR S/N 51115 to .081P5. I certify that this propeller has been inspected in accordance with a 100 hour inspection and it was determined to be in an airworthy condition. Chris S Patton A&P 3473462 <i>[Signature]</i>			
1/1/2023	1/1/1 95T, 6467.0k		Rem prop for N132JW for for as shown for <i>[Signature]</i> A&P 3473462

STALLINGS AIRCRAFT PROPELLER, LLC			
FAA REPAIR STATION 5JRR748C			
DATE	10-13-23	MODEL	HC-B5MP-3C
TOTAL TIME	N/A	S/N	EVA2339
Disassembled, cleaned and visually inspected. Repaired, resealed, reassembled and tested. Ref. FAA Approved Data.			
Hartzell Manuals 133C, 132A, 202A			
On File Under W/O #9053			
<i>Cody Stallings</i>			

Date	Propeller	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
Patton Aircraft Repair			
Date: 2/19/2024	N132JW	EVA2339	Hobbs & TT: 6467.0 Hrs
Installed prop to N132JW after IRAN at Stallings Propeller see 8130-3 W/O 9053 dated Oct 13, 2023. Bolts torqued per Hartzell manual #139 an and saftied. Prop greased with Nyco grease and balanced with Aces 2020HR S/N 51115 to .06IPS. I certify that this propeller has been inspected in accordance with a 100 hour inspection and it was determined to be in an airworthy condition.			
Chris S Patton A&P 3473462			
Dec 1, 2024 Hobbs & TT: 6782.0 Hrs Rem prop for N132JW for IRAN at Stallings Chris S Patton A&P 3473462			

Date	Propeller	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
STALLINGS AIRCRAFT PROPELLER, LLC			
FAA REPAIR STATION 5JRR748C			
DATE 1-27-25	MODEL HC-B5MP-3C		
TOTAL TIME N/A	S/N EVA2339		
Disassembled, cleaned and visually inspected.			
Repaired, resealed, reassembled and tested. Ref. FAA Approved Data.			
Hartzell Manuals: 133C, 202A, 132A			
On File Under W/O #9483			
Cochran Stallings			
Patton Aircraft Repair			
Date: 2/4/2025	N132JW	EVA2339	Hobbs & TT: 6782.0 Hrs
Installed prop to N132JW after IRAN at Stallings Propeller see 8130-3 W/O 9483 dated Jan 27, 2025. Bolts torqued per Hartzell manual #139 an and saftied. Prop greased with Nyco grease and balanced with Aces Cobra II to .07IPS. I certify that this propeller has been inspected in accordance with a 100 hour inspection and it was determined to be in an airworthy condition.			
Chris S Patton A&P 3473462			