

HARTZELL PROPELLER INC.
ALERT SERVICE BULLETIN
HC-ASB-61-386
Blades - Shot Peening (Shenyang Avias)

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propeller models:
 - HC-B3TN-3D/T10282NS+4
 - HC-B4MP-3C/M10476NSK
 - HC-B5MA-3D/M11691NS
 - HC-B5MP-3C/M10876ANSwith serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
- (2) Hartzell Propeller Inc. lightweight turbine propeller models:
 - HC-E4A-3D/E10477SK
 - HC-E4N-3N/D8990SKwith serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
- (3) The affected propellers/blades were overhauled by Shenyang Avias located in Shenyang, China on the date listed in Table 1.
 - (a) If there is verification that all of the blades on a propeller listed in Table 1 were overhauled and shot peened after the overhaul performed by Shenyang Avias, that propeller is not affected by this Alert Service Bulletin.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF THIS ALERT SERVICE BULLETIN. INFORMATION CONTAINED IN THIS ALERT SERVICE BULLETIN MAY BE SIGNIFICANTLY CHANGED FROM EARLIER REVISIONS. FAILURE TO COMPLY WITH THIS ALERT SERVICE BULLETIN OR THE USE OF OBSOLETE INFORMATION MAY CREATE AN UNSAFE CONDITION THAT MAY RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR SUBSTANTIAL PROPERTY DAMAGE. REFER TO THE SERVICE BULLETIN INDEX FOR THE MOST RECENT REVISION LEVEL OF THIS ALERT SERVICE BULLETIN.

B. Concurrent Requirements

- (1) Additional service documents may apply to the components/propellers affected by this Alert Service Bulletin. Compliance with additional service documents may be necessary in conjunction with the completion of the Accomplishment Instructions in this Alert Service Bulletin. Refer to the Hartzell Propeller Inc. website at www.hartzellprop.com for a cross-reference of service documents.

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C. Reason

- (1) Shenyang Avias reported to Hartzell Propeller Inc. that the blades on the propellers listed in Table 1 were not shot peened during overhauls performed at their facility.

D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for overhauling and shot peening the blades on the affected propellers.

E. Compliance

- (1) Within 100 flight hours or two calendar months from the release date of this Alert Service Bulletin, whichever occurs first, overhaul and shot peen the blades on the affected propellers in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
 - (a) Overhaul and shot peening of the blades in accordance with the Accomplishment Instructions is terminating action for this Alert Service Bulletin.

F. Approval

- (1) FAA acceptance has been obtained on technical data in this publication that affects type design.

G. Weight and Balance

- (1) Not changed

H. Electrical Load Data

- (1) Not changed

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I. References

- (1) Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18)
- (2) Hartzell Propeller Inc. Five-blade Steel Hub Turbine Engine Propeller Overhaul and Maintenance Manual 132A (61-10-32)
- (3) Hartzell Propeller Inc. Aluminum Blade Overhaul Manual 133C (61-13-33)
- (4) Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39)
- (5) Hartzell Propeller Inc. Four Blade Lightweight Turbine Propeller Maintenance Manual 143A (61-10-43)
- (6) Hartzell Propeller Inc. Propeller Owner's Manual 149 (61-00-49)

J. Other Publications Affected

- (1) None

2. Material Information

A. Special Tooling/Consumable Materials

- (1) Refer to Hartzell Propeller Inc. Aluminum Blade Overhaul Manual 133C (61-13-33) for information about tooling and consumable materials required for shot peening aluminum blades.

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3. Accomplishment Instructions

A. Propeller Removal/Disassembly

- (1) Remove the propeller from the aircraft in accordance with the applicable Hartzell Propeller Inc. owner's manual.
- (2) The following steps must be performed by a certified propeller repair station with the appropriate rating.
- (3) Disassemble the propeller in accordance with the applicable Hartzell Propeller Inc. overhaul/maintenance manual.

B. Blade Overhaul/Shot Peening

- (1) Overhaul and shot peen all of the blades from the affected propeller in accordance with Hartzell Propeller Inc. Aluminum Blade Overhaul Manual 133C (61-13-33).
- (2) Complete and sign the Compliance Form in the Appendix section of this Alert Service Bulletin.
 - (a) Send the completed form to Hartzell Propeller Inc. for processing.
- (3) Make an entry in the propeller logbook indicating that all of the blades were overhauled and shot peened in accordance with this Alert Service Bulletin.

C. Propeller Assembly/Installation

- (1) Assemble the propeller in accordance with the applicable Hartzell Propeller Inc. overhaul/maintenance manual.
- (2) Install the propeller onto the aircraft in accordance with the applicable Hartzell Propeller Inc. owner's manual.

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Propeller		Blade Model	Date of Overhaul
Model #	Serial #		
HC-B3TN-3D	BUA30677	T10282NS+4	Feb. 27, 2017
	BUA30687	T10282NS+4	Apr. 24, 2018
	BUA30963	T10282NS+4	Feb. 27, 2017
	BUA31487	T10282NS+4	Nov. 10, 2015
	BUA31494	T10282NS+4	Nov. 10, 2015
	BUA31737	T10282NS+4	Apr. 24, 2018
HC-B4MP-3C	FWA5469	M10476NSK	May 15, 2018
	FWA5470	M10476NSK	May 15, 2018
HC-B5MA-3D	HBA1952	M11691NS	Oct. 17, 2018
	HBA1987	M11691NS	Nov. 3, 2015
	HBA1989	M11691NS	Nov. 3, 2015
	HBA1992	M11691NS	Jul. 28, 2017
	HBA1993	M11691NS	Oct. 17, 2018
	HBA1994	M11691NS	Oct. 17, 2018
HC-B5MP-3C	EVA3063	M10876ANS	Jan. 11, 2018
HC-E4A-3D	KX859	E10477SK	Feb. 26, 2016
HC-E4N-3N	HH3299	D8990SK	Aug. 6, 2014
	HH3396	D8990SK	Aug. 6, 2014
	HH3755	D8990SK	Jun. 1, 2015
	HH3762	D8990SK	Jun. 1, 2015
	HH3793	D8990SK	Jun. 1, 2015
	HH3794	D8990SK	Jun. 1, 2015
	HH4369	D8990SK	Mar. 13, 2018
	HH4399	D8990SK	Mar. 13, 2018
	HH4404	D8990SK	Mar. 18, 2018
	HH4443	D8990SK	Mar. 14, 2016
	HH4471	D8990SK	Mar. 18, 2018
	HH4476	D8990SK	Mar. 15, 2018
	HH4565	D8990SK	Jun. 30, 2018
	HH4567	D8990SK	Jun. 30, 2018
	HH5085	D8990SK	Jul. 1, 2018
	HH5163	D8990SK	Nov. 17, 2018

**Affected Propellers/Blades
Table 1**

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D. Recommended Service Facilities

- (1) Hartzell Propeller Inc. has a worldwide network of Recommended Service Facilities for overhaul and repair of our products.
- (2) Each service facility must meet standard FAA requirements and additional Hartzell Propeller requirements before being recommended by Hartzell Propeller Inc. Each service facility is audited by Hartzell Propeller Inc. to verify the continuation of the standards.
- (3) Hartzell Propeller Inc. recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- (4) For a current list of Hartzell Propeller Inc. Recommended Service Facilities, contact Hartzell Propeller Inc. Product Support or refer to the Hartzell Propeller Inc. website at www.hartzellprop.com.

E. Contact Information

Hartzell Propeller Inc.
Attn.: Hartzell Propeller Inc. Product Support
One Propeller Place
Piqua, Ohio 45356-2634 USA
Phone: (001) 937.778.4379
Fax: (001) 937.778.4215
E-mail: techsupport@hartzellprop.com

HARTZELL PROPELLER INC.
ALERT SERVICE BULLETIN APPENDIX
HC-ASBA-61-386
Blades - Shot Peening (Shenyang Avias)

1. Compliance Reporting

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propeller models:
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B. Compliance Form

- (1) Complete and sign the Compliance Form in this Appendix section to indicate compliance with the terminating action for this Alert Service Bulletin.
 - (a) Send the completed form to Hartzell Propeller Inc. for processing.

C. Contact Information

- (1) Fax, Email, or mail the Factory Repair Authorization Form to:

Hartzell Propeller Inc.
Attn: Alert Service Bulletin 386 Coordinator
One Propeller Place
Piqua, OH 45356 USA
Phone: 937.778.4379
Fax: 937.778.4215 (Intl. 001.937.778.4215)
Email: techsupport@hartzellprop.com

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ALERT SERVICE BULLETIN APPENDIX

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Compliance Form		
Owner Information:		
Name: _____	Phone: _____	
Address: _____	Fax: _____	
_____	Email: _____	
City: _____	Zip/Postal Code: _____	
State: _____	Country: _____	
Repair Station:		
Company: _____	Phone: _____	
Contact Name: _____	Fax: _____	
Address: _____	Email: _____	

City: _____	Zip/Postal Code: _____	
State: _____	Country: _____	
Signature: _____		
Propeller Information: (TSN= time since new TSO= time since overhaul)		
Propeller Model: _____	Propeller S/N: _____	
Propeller TSN: _____	Propeller TSO: _____	
Blade Information:		
Blade Model: _____	Was the blade shot peened?	Date of blade overhaul
Blade #1 S/N: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date: _____
Blade #2 S/N: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date: _____
Blade #3 S/N: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date: _____
Blade #4 S/N: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date: _____
Blade #5 S/N: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	Date: _____
<p>Send this completed and signed form to Hartzell Propeller Inc. Product Support Department: Fax: (001) 937.778.4215 or Email: techsupport@hartzellprop.com</p> <p>DO NOT WRITE BELOW THIS LINE - FOR HARTZELL PROPELLER INC. USE ONLY</p>		