

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propeller models HC-B3TN-3D and HC-B5MA-3D with serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
- (2) Hartzell Propeller Inc. aluminum hub compact propeller models (B,P)HC-(C,E,J)(2,3)Y(F,K,L,R)-(1,2)() with serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
- (3) The affected propellers/blades were overhauled by Avialsa T-35 S.L. located in Paterna (Valencia), Spain on the date listed in Table 1.
 - (a) If there is verification that all of the blade shanks on a propeller listed in Table 1 were overhauled and compression rolled after the overhaul performed by Avialsa T-35 S.L., 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WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

C. Reason

- (1) Avialsa T-35 S.L. reported to Hartzell Propeller Inc. that the blade shanks on the propellers listed in Table 1 were not compression rolled 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 compression rolling the blade shanks on the affected propellers.

E. Compliance

- (1) Within 10 flight hours from the release date of this Alert Service Bulletin, overhaul and compression roll the blade shanks on the affected propellers in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
 - (a) Overhaul and compression rolling of the blade shanks 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

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION. PERFORM ALL INSPECTIONS OR WORK IN ACCORDANCE WITH THE MOST RECENT REVISION OF A DOCUMENT.

I. References

- (1) Hartzell Propeller Inc. Compact and Lightweight Compact Non-Feathering (-1) and Aerobic (-4) Propeller Overhaul and Maintenance Manual 113B (61-10-13)
- (2) Hartzell Propeller Inc. Propeller Owner's Manual 115N (61-00-15)
- (3) Hartzell Propeller Inc. Compact Constant Speed and Feathering Propeller Overhaul and Maintenance Manual 117D (61-10-17)
- (4) Hartzell Propeller Inc. Steel Hub Turbine Propeller Maintenance Manual 118F (61-10-18)
- (5) Hartzell Propeller Inc. Five-blade Steel Hub Turbine Engine Propeller Overhaul and Maintenance Manual 132A (61-10-32)
- (6) Hartzell Propeller Inc. Aluminum Blade Overhaul Manual 133C (61-13-33)
- (7) Hartzell Propeller Inc. Propeller Owner's Manual 139 (61-00-39)

J. Other Publications Affected

- (1) None

2. Material Information

A. Special Tooling

- (1) Blade Shank Rolling Machine TE116-(3,5)

NOTE: For information about tooling "TE" numbers, refer to Hartzell Propeller Inc. Tooling and Equipment Manual 165A (61-01-65).

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

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 Shank Overhaul/Compression Rolling

- (1) Overhaul and compression roll all of the blade shanks of the affected propeller in accordance with the Blade Shank Overhaul chapter of 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 blade shanks were overhauled and compression rolled in accordance with this Alert Service Bulletin.

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

Propeller		Blades		Date of Overhaul	Customer
Model #	Serial #	Model #	Serial #		
BHC-C2YF-2CLKUF	AN-1129E	FJC8459-8A	J92020 J92021	02/06/2014	-
HC-C2YK-2CGFU	AU-1457E	FC7666A	J19936 J19944	18/09/2014	AEROCLUB REUS
HC-C2YK-2CLGFU	AU-1450E	FJC7666A	J11735 J11737	18/09/2014	AEROCLUB REUS
HC-C2YK-2CUF	AU-10957B	FC8477A-4	H54060 H54062	01/10/2014	-
HC-C2YK-2CUF	AU-10987B	FC8477A-4	H54058 H54065	01/10/2014	-
HC-C2YR-4CF	AU-13275B	FC7666A-2	K62099 K62098	30/08/2013	-
HC-C3YR-1RF	DY-2374	F8475R	J06058 J06060 J06061	21/11/2012	MARTINEZ RIDAO AVIACION
HC-C3YR-1RF	DY-5422B	F7282	J74712 J74704 J74707	16/12/2014	AEROIBER
HC-E2YL-2BSF	BG-2625E	F7663-4	H05891 H05893	31/01/2018	DEDALO
HC-E3YR-2AFT	DJ-8226A	FC8468-6R	F28408 F28363 F28381	05/09/2013	-
PHC-C3YF-1RF	EE-6385B	F8468AK-6R	K74494 K74496 K74489	19/01/2015	-
PHC-C3YF-1RF	EE-3338A	F8468A-2R	J36893BU J37138BU J37141BU	15/04/2014	SAASA
PHC-C3YF-2UF	EB-2005	FC7663DB-2Q	F42438 F42440 F42421	28/05/2014	-
PHC-C3YF-2UF	EB-2008	FC7663DB-2Q	F43692 F43710 F43706	28/05/2014	-
PHC-J3YF-1RF	FP-5526B	F7392-1	K46971 K50977 K50970	26/09/2013	-
PHC-J3YF-1RF	FP-6026B	F7693DFB	K60283 K60287 K60282	07/11/2013	-

Affected Propellers/Blades
Table 1, page 1 of 5

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

Propeller		Blades		Date of Overhaul	Customer
Model #	Serial #	Model #	Serial #		
PHC-J3YF-1RF	FP-7125B	F7693DF	K78351 K78353 K78352	16/12/2014	AEROIBER
PHC-J3YF-2UF	ED-5218B	FC7663-2R	K34144 K34148 K34146	29/04/2013	-
PHC-J3YF-2UF	ED-5271B	FC7663-2R	K37112 K37110 K37113	29/04/2013	-
HC-B3TN-3D	BUA-20842	T10282NS+4	J10882 J10887 J10884	29/04/2016	SAASA
HC-B5MA-3D	HBA-1076	M11276N	J10992E J12724 J12723E J12725E J10996E	12/03/2015	FAASA Aviacion
HC-B5MA-3D	HBA-1123	M11961NS	J39713E J39714E J39710E J39711E J39708E	16/06/2017	ZTC - Croatia
HC-B5MA-3D	HBA-1211	M11961NS	J71239 J71731 J71236 J71736 J71738	19/05/2017	FAASA Aviacion
HC-B5MA-3D	HBA-1319	M11276NS	K02592 K02593 K02594 K02595 K02596	26/03/2014	-
HC-B5MA-3D	HBA-1460	M11961NS	K32850 K32846 K32854 K32855 K32852	18/03/2016	-
HC-B5MA-3D	HBA-1473	M11961NS	K35671 K35669 K35668 K35667 K35670	23/05/2016	AVIALSA T-35
HC-B5MA-3D	HBA-1476	M11961NS	K37281 K37282 K37276 K37277 K37280	26/03/2014	-

Affected Propellers/Blades

Table 1, page 2 of 5

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

Propeller		Blades		Date of Overhaul	Customer
Model #	Serial #	Model #	Serial #		
HC-B5MA-3D	HBA-1477	M11961NS	K37287 K37284 K37290 K37288 K37285	03/03/2017	AVIALSA T-35
HC-B5MA-3D	HBA-1513	M11961NS	K47078 K47079 K47080 K47081 K47082	16/05/2014	FAASA Aviacion
HC-B5MA-3D	HBA-1519	M11961NS	K47936 K47931 K47934 K47938 K47933	22/12/2017	ZTC - Croatia
HC-B5MA-3D	HBA-1533	M11961NS	K52112 K52110 K52108 K52109 K52106	15/04/2014	MYNISTRY OF INTERNAL AFFAIRS - REPUBLIC OF MONTENEGRO
HC-B5MA-3D	HBA-1542	M11961NS	K55889 K55888 K55885 K55883 K55891	16/10/2017	PROTECTION AND RESCUE DIRECTORATE - REPUBLIC OF MACEDONIA
HC-B5MA-3D	HBA-1567	M11961NS	K61264 K61266 K61269 K61272 K61273	05/11/2014	ZTC - Croatia
HC-B5MA-3D	HBA-1580	M11961NS	K62421 K62420 K62426 K62427 K62418	29/04/2016	ZTC - Croatia
HC-B5MA-3D	HBA-1629	M11961NS	K77973 K77977 K77975 K77974 J65256	17/01/2014	AIR TRACTOR EUROPE
HC-B5MA-3D	HBA-1636	M11961NS	K82785 K82786 K82787 K82788 K82789	25/11/2014	AVIALSA T-35

**Affected Propellers/Blades
Table 1, page 3 of 5**

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

Propeller		Blades		Date of Overhaul	Customer
Model #	Serial #	Model #	Serial #		
HC-B5MA-3D	HBA-1656	M11961NS	K86818 K86807 K86799 K86803 K86800	24/02/2014	AVIALSA T-35
HC-B5MA-3D	HBA-1657	M11961NS	K86808 K86813 K86817 K86810 K86806	26/03/2014	MARTINEZ RIDAO AVIACION
HC-B5MA-3D	HBA-1664	M11961NS	K88294 K88295 K88296 K88297 K88298	10/06/2014	PROTECTION AND RESCUE DIRECTORATE - REPUBLIC OF MACEDONIA
HC-B5MA-3D	HBA-1686	M11961NS	K91935 K91938 K91941 K91942 K91943	04/05/2015	KENNEDY AVIATION Pty Ltd
HC-B5MA-3D	HBA-1689	M11961NS	K91927 K91937 K91929 K91931 K91930	11/02/2015	MARTINEZ RIDAO AVIACION
HC-B5MA-3D	HBA-1707	M11961NS	K97379 K97383 K97389 K97387 K97386	25/03/2015	AVIALSA T-35
HC-B5MA-3D	HBA-1728	M11961NS	K96530 K99133 K96534 K96535 K96536	04/05/2015	AVIALSA T-35
HC-B5MA-3D	HBA-1737	M11961NS	K98319 K98324 K98325 K98326 K98327	18/03/2016	DUNN Aviation Pty Ltd
HC-B5MA-3D	HBA-1742	M11961NS	K98988 K98989 K98990 K98992 K98993	04/05/2015	AIRCRAFT HIRE Pty Ltd

Affected Propellers/Blades
Table 1, page 4 of 5

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

Propeller		Blades		Date of Overhaul	Customer
Model #	Serial #	Model #	Serial #		
HC-B5MA-3D	HBA-1744	M11961NS	K98330 K98332 K98335 K98336 K98338	25/03/2015	FAASA Aviacion
HC-B5MA-3D	HBA-1811	M11961NS	L09548 L09550 L09547 L09549 L09541	22/06/2016	AVIALSA T-35
HC-B5MA-3D	HBA-1819	M11961NS	L10093 L10094 L10095 L10096 L10102	18/03/2016	DUNN Aviation Pty Ltd
HC-B5MA-3D	HBA-1822	M11961NS	L11771 L11772 L11776 L11779 L11780	22/06/2016	AGAIR Pty Ltd
HC-B5MA-3D	HBA-1831	M11961NS	L12868 L12869 L12867 L12865 L12866	22/02/2017	MARTINEZ RIDAO AVIACION
HC-B5MA-3D	HBA-1850	M11961NS	L18447 L18450 L18455 L18456 L18672	23/05/2016	AVIALSA T-35
HC-B5MA-3D	HBA-1860	M11961NS	L20121 L20122 L20119 L20126 L20120	19/05/2017	FAASA Aviacion
HC-B5MA-3D	HBA-1888	M11961NS	L22144 L22143 L22142 L22146 L22145	06/02/2017	AVIALSA T-35
HC-B5MA-3D	HBA-2227	M11276NS	K00977 K01342 K01341 K00979 K00978	23/03/2017	MARTINEZ RIDAO AVIACION

**Affected Propellers/Blades
Table 1, page 5 of 5**

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN

HC-ASB-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

C. 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.

D. 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-61-384
Blades - Compression Rolling (Avialsa T-35 S.L.)

1. Compliance Reporting

A. Effectivity

- (1) Hartzell Propeller Inc. steel hub turbine propeller models HC-B3TN-3D and HC-B5MA-3D with serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
- (2) Hartzell Propeller Inc. aluminum hub compact propeller models (B,P)HC-(C,E,J)(2,3)Y(F,K,L,R)-(1,2)() with serial numbers listed in Table 1 are affected by this Alert Service Bulletin.
- (3) The affected propellers/blades were overhauled by Avialsa T-35 S.L. located in Paterna (Valencia), Spain on the date listed in Table 1.
 - (a) If there is verification that all of the blade shanks on a propeller listed in Table 1 were overhauled and compression rolled after the overhaul performed by Avialsa T-35 S.L., that propeller is not affected by this Alert Service Bulletin.

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 384 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

HARTZELL PROPELLER INC.

ALERT SERVICE BULLETIN APPENDIX

HC-ASBA-61-384

Blades - Compression Rolling (Avialsa T-35 S.L.)

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 blade compression rolled?	Date of blade shank 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>		