

HARTZELL PROPELLER LLC
ALERT SERVICE BULLETIN
HC-ASB-61-413
Hub Inspection

1. Planning Information

A. Effectivity

- (1) Hartzell Propeller HC-E4N-5KFL lightweight turbine propellers are affected by this Alert Service Bulletin.
 - (a) The affected propellers are installed on Mitsubishi MU-2() aircraft under STC# SA09916AC.

WARNING: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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 ALERT 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 website at www.hartzellprop.com for a cross-reference of service documents.

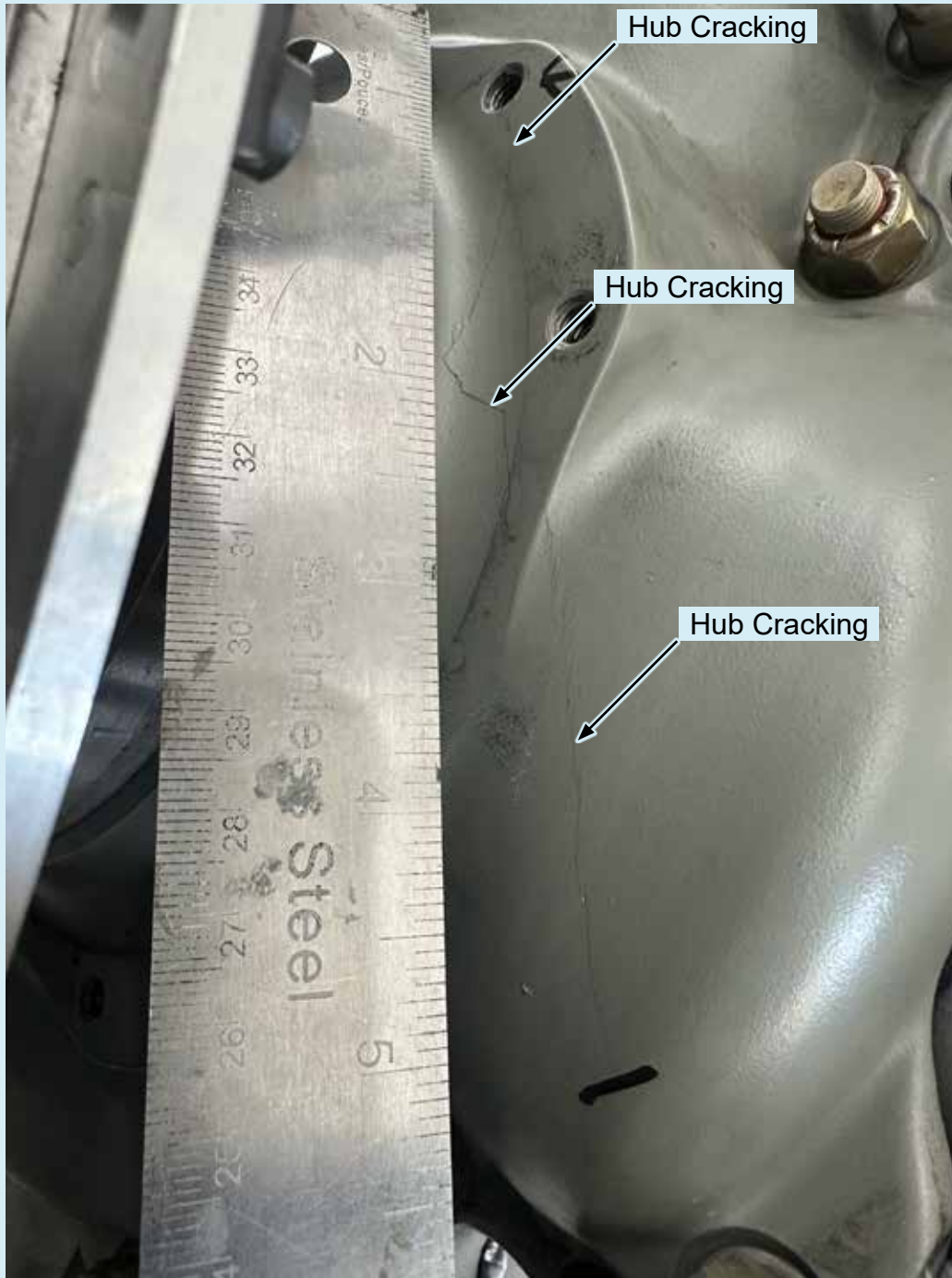
C. Reason

- (1) Hartzell Propeller received a report of hub cracks on an affected propeller. Refer to Figure 1.
 - (a) The propeller reporting the cracked hub had accumulated approximately 3300 flight hours.

HARTZELL PROPELLER LLC

ALERT SERVICE BULLETIN

HC-ASB-61-413
Hub Inspection

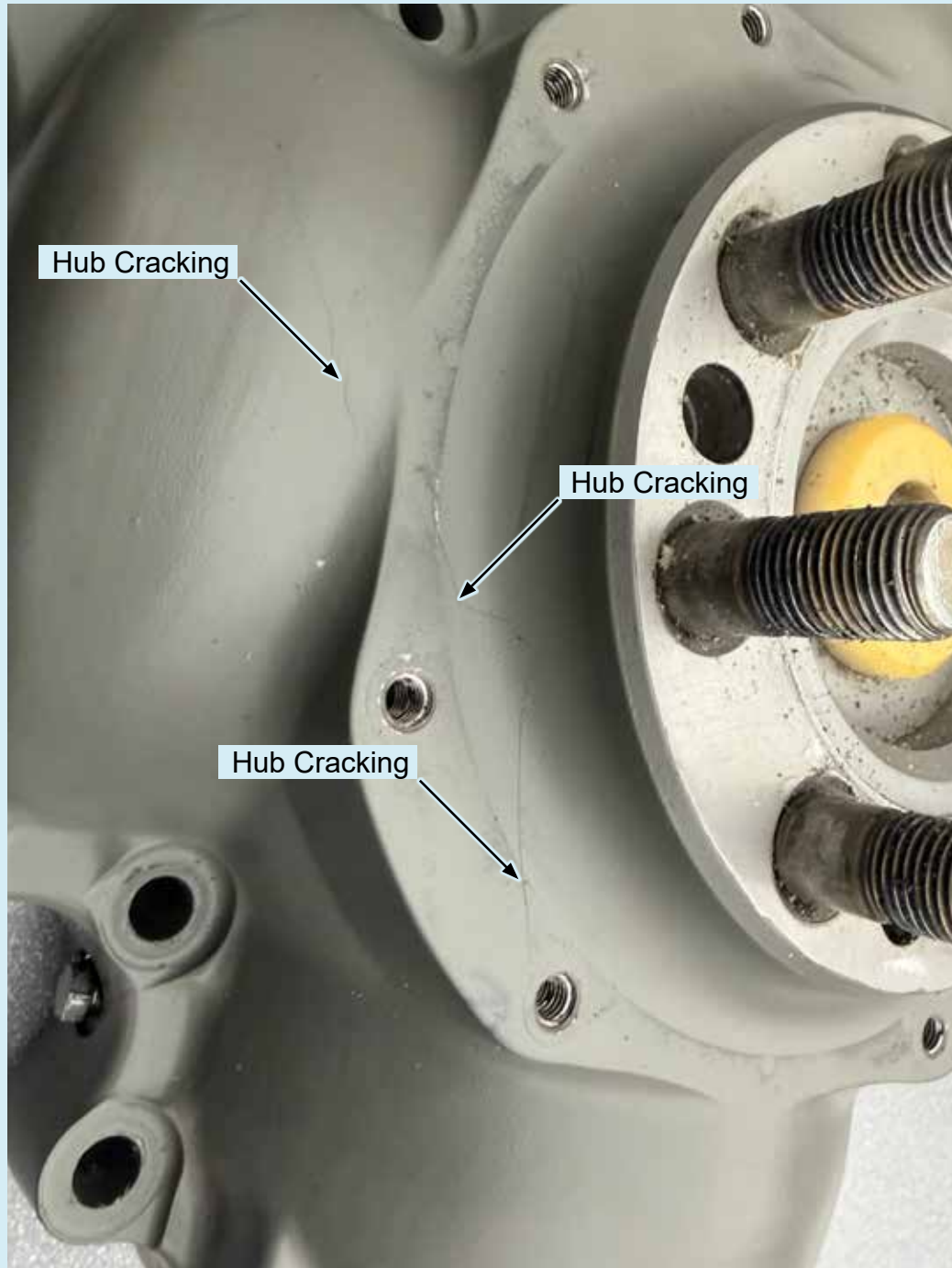


Hub Cracks
Figure 1, page 1 of 2

ALERT SERVICE BULLETIN

HC-ASB-61-413

Hub Inspection



Hub Cracks
Figure 1, page 2 of 2

HARTZELL PROPELLER LLC

ALERT SERVICE BULLETIN

HC-ASB-61-413
Hub Inspection

D. Description

- (1) This Alert Service Bulletin provides Instructions for Continued Airworthiness (ICA).
- (2) This Alert Service Bulletin provides instructions for a hub inspection of affected propellers before further flight.
- (3) Refer to the Appendix section of this Alert Service Bulletin for information about the warranty program.

E. Compliance

- (1) Before further flight perform the "Hub Inspection" in accordance with the Accomplishment Instructions section of this Alert Service Bulletin.
- (2) Within 14 days from the release date of this Alert Service Bulletin, complete the Inspection/Compliance Form in the Accomplishment Instructions section of this Alert Service Bulletin.

F. Approval

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

G. Manpower

Procedure	Allowable Man-hours
Hub Inspection	1 hour

CAUTION: DO NOT USE OBSOLETE OR OUTDATED INFORMATION.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

H. References

- (1) Hartzell Propeller Owner's Manual 149 (61-00-49)
- (2) Hartzell Four-blade Lightweight Turbine Propeller Overhaul Manual 141 (61-10-41)

ALERT SERVICE BULLETIN

HC-ASB-61-413

Hub Inspection

2. Accomplishment Instructions

A. Hub Inspection

NOTE: This procedure can be performed with the propeller on-wing.

- (1) Remove the spinner dome in accordance with the applicable Hartzell Propeller owner's manual.
- (2) Using a mirror and/or borescope, examine all areas of the hub for cracking, focusing on the flange area and hub arms of the engine-side hub half. Refer to Figure 1.

NOTE: A crack may be visible or indicated by grease leaking from a seemingly solid surface.

- (a) Report findings to Hartzell Propeller. If cracking is found, discontinue flight and contact Hartzell Propeller immediately.
- (3) Examine the propeller for excessive blade play and/or grease leaks.
 - (a) Report findings to Hartzell Propeller. If excessive blade play or a grease leak is found, discontinue flight and contact Hartzell Propeller immediately.
- (4) Complete the Inspection Compliance Form in the Appendix section of this Alert Service Bulletin.
- (5) Make an entry in the propeller logbook indicating this inspection was performed in accordance with this Alert Service Bulletin.

HARTZELL PROPELLER LLC
ALERT SERVICE BULLETIN
HC-ASB-61-413
Hub Inspection

C. Recommended Service Facilities

- (1) Hartzell Propeller LLC 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. Each service facility is audited by Hartzell Propeller to verify compliance with Hartzell standards.
- (3) Hartzell Propeller recommends that you use one of these service facilities when having your propeller overhauled or repaired.
- (4) For a current list of Hartzell Propeller Recommended Service Facilities, contact Hartzell Product Support or refer to the Hartzell website at www.hartzellprop.com.

D. Contact Information

Hartzell Propeller LLC
Attn.: Product Support Department
One Propeller Place
Piqua, Ohio 45356-2634 USA
Phone: (001) 937.778.4379 (Blank Page)
Fax: (001) 937.778.4391
E-mail: techsupport@hartzellprop.com

HARTZELL PROPELLER LLC
ALERT SERVICE BULLETIN
APPENDIX
HC-ASB-61-413
Hub Inspection

1. Warranty Program Information

A. Eligibility

- (1) Hartzell Propeller HC-E4N-5KFL lightweight turbine propellers are eligible for this warranty program.
 - (a) The affected propellers are installed on Mitsubishi MU-2() aircraft under STC# SA09916AC.

B. Labor

- (1) Hartzell Propeller will authorize payment for the allowable labor charges when the Hub Inspection is performed in accordance with the Accomplishment Instructions in this Alert Service Bulletin.
 - (a) Refer to the Manpower section of this Alert Service Bulletin for warranted procedures and allowable man-hours.
 - (b) Labor charges will be reimbursed at the service facility's CURRENT POSTED SHOP LABOR RATE, pending Hartzell Propeller approval.
 - (c) Send the invoice for labor charges to Hartzell Propeller for processing.

HARTZELL PROPELLER LLC

ALERT SERVICE BULLETIN

APPENDIX

HC-ASB-61-413

Hub Inspection

Inspection/Compliance Form

Aircraft Information:	
Aircraft Model:	Aircraft Registration #:
Owner Information:	
Name:	
City:	State:
Zip/Postal Code:	Country:
E-mail:	Phone:
☐ (Check box if Operator Information is the same as Owner Information)	
Operator Information:	
Name:	
City:	State:
Zip/Postal Code:	Country:
E-mail:	Phone:
Propeller Information:	
Left Hand Propeller	Right Hand Propeller
Propeller Model:	Propeller Model:
Propeller S/N:	Propeller S/N:
Propeller TSN (Time Since New):	Propeller TSN (Time Since New):
Propeller TSO (Time Since Overhaul):	Propeller TSO (Time Since Overhaul):
Propeller Cycles (number of takeoffs/landings):	Propeller Cycles (number of takeoffs/landings):
Propeller Service History (attach additional documents if needed):	Propeller Service History (attach additional documents if needed):
Reports of unusual prop occurrences/symptoms:	Reports of unusual prop occurrences/symptoms:
Signature:	
Repair Technician's Signature:	Date:
Send this completed and signed form to Hartzell Propeller Product Support Department: Fax - (001) 937.778.4215 or E-mail - warranty@hartzellprop.com	

DO NOT WRITE BELOW THIS LINE - FOR HARTZELL PROPELLER LLC USE ONLY

Authorized By:
