

87-05-01

Amendment 39-5554.

Applies to Hartzell Model HC-B5MP-3()/M10876 propellers installed on Short Brothers Ltd. Model SD3-60 aircraft.

Compliance required prior to accumulating 3,000 hours time in service since new, or within 30 days after the effective date of this AD, whichever occurs later, unless already accomplished.

To prevent propeller blade near the hub which could result in cabin penetration and/or engine separation from the aircraft, accomplish the following:

- (a) Remove propeller from aircraft.
- (b) Accomplish the following in accordance with Hartzell Service Bulletin No. 136C dated March 3, 1986, or FAA approved equivalent:
 - (1) Disassemble propeller and visually inspect the blade pilot tube bore area. Particular attention shall be made to area between the inner needle bearing assembly and bearing spacer.
 - (2) Remove all evidence of scratches, tool marks, corrosion, scrapes, pitting, or other surface irregularities in the blade pilot tube bore area. Do not exceed the maximum rework limitations defined in the service bulletin.
 - (3) Etch the blade pilot tube bore area prior to penetrant inspection. Ensure removal of all etching solution.
 - (4) Penetrant inspect the blade pilot tube bore area.
 - (5) Coat the blade pilot tube bore area with alodine.
 - (6) Install bearing spacer and inner needle bearing assembly. Pilot tube bore must be lubricated to facilitate bearing installation.

NOTES:

- (1) Propeller blades with serial numbers subsequent to F75966 have had the requirements of this AD incorporated during manufacture and are not affected by this AD.
- (2) Compliance with Hartzell Service Bulletins 136, dated August 26, 1982, 136A, dated July 12, 1983, or 136B, dated January 28, 1986, does not constitute compliance with this AD.

Aircraft may be ferried in accordance with the provisions of Federal Aviation Regulations (FAR) 21.197 and 21.199 to a base where the AD can be accomplished.

Upon request, an equivalent means of compliance with the requirements of this AD may be approved by the Manager, Chicago Aircraft Certification Office, FAA, 2300 East Devon Avenue, Des Plaines, Illinois 60018.

Hartzell Service Bulletin No. 136C, dated March 3, 1986, identified and described in this document, is incorporated herein and made a part hereof pursuant to 5 U.S.C. 552(a)(1). All persons affected by this directive which have not already received this document from the manufacturer may obtain copies upon request to Hartzell Propeller Products Division, TRW Aircraft Components Group, 350 Washington Ave., Piqua, Ohio 45356. This document also may be examined at the Office of the Regional Counsel, Federal Aviation Administration, Attn: Rules Docket No. 86-ANE-7, 12 New England Executive Park, Burlington, Massachusetts 01803 weekdays, except federal holidays, between 8:00 a.m. and 4:30 p.m.

This amendment becomes effective on March 12, 1987.