



Emergency Airworthiness Directive

AD No.: 2017-0092-E

Issued: 19 May 2017

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

SOCIÉTÉ DUC

Type/Model designation(s):

H-FLR2 (FLAIR-2) propellers

Effective Date: 23 May 2017

TCDS Number(s): EASA.P.037

Foreign AD: Not Applicable

Supersedure: None

ATA 61 – Propellers – Removal from Service

Manufacturer(s):

Société DUC (trading as DUC Propellers)

Applicability:

H-FLR2_5-D-I_C propellers, all serial numbers.

These propellers are known to be installed on, but not limited to, CEAPR (formerly Centre Est Aéronautique, Avions Pierre Robin, Robin Aviation, Constructions Aéronautiques de Bourgogne, APEX Industries, Robin Aircraft) DR 300/180 R, DR 400/180, DR 400/180 R and DR 400/180 S aeroplanes, if modified by EASA STC 10059338.

Reason:

An occurrence was reported on a DUC 'FLAIR-2' propeller where, during take-off, the aluminium hub ruptured and one blade was released. The origin of the rupture has not yet been identified and an investigation is still ongoing.

This condition, if not corrected, could lead to further hub failures and blade losses, possibly resulting in reduced control of the aeroplane and injury to persons on the ground.

To address this potential unsafe condition, DUC Propellers published Bulletin de Service (BS) BS-2017-001 Revision A, to notify the owners and operators of the affected aeroplanes.



For the reason described above, this Emergency AD requires removal from service of the affected propellers.

This Emergency AD is considered an interim action and further AD action may follow.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

- (1) From the effective date of this AD, remove the propeller from service in accordance with the instructions of DUC Propellers BS-2017-01 Revision A.
- (2) From the effective date of this AD, do not install a DUC H-FLR2_5-D-1_C propeller on any aeroplane.

Ref. Publications:

DUC Propellers BS-2017-01 Revision A, dated 17 May 2017.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: DUC Propellers, Aérodrôme de Villefranche-Tarare, 289 avenue Odette & Edouard Durand, 69620 Frontenas France, Tel: +33(0)4 74 72 12 69, Fax: +33(0)4 74 72 10 01, E-mail: contact@duc-helices.com.

