


| | |
|--|---|
| EASA | AIRWORTHINESS DIRECTIVE |
|  | <p>AD No : 2007-0057</p> <p>Date: 1 March 2007</p> |
| No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry. | |
| Type Approval Holder's Name : TURBOMECA | Type/Model designation(s) : Turbo-shaft engine ARRIUS 2F |
| TCDS Number : France n°M22 | |
| Foreign AD : Not applicable | |
| Supersedure : Not applicable | |
| ATA 72 | Engine - Gas Generator Front Bearing- Modification |
| Manufacturer(s): | TURBOMECA |
| Applicability: | ARRIUS 2F turboshaft engine (installed on EC120B helicopter) |
| Reason: | <p>This AD is issued following a case of non-commanded in-flight engine shut-down which occurred on an ARRIUS 2F turboshaft engine, following the seizing of the gas generator. The result may be an emergency autorotation landing or, at worst, an accident.</p> <p>Investigations of this event have revealed that the seizing of the gas generator was caused by the fracture of the separator cage of the gas generator front bearing, due to high-cycle fatigue cracks initiated in the lubrication slots of the separator cage.</p> <p>Modification Tf12 introduces a new gas generator front bearing without lubrication slots on the separator cage.</p> |
| Effective Date: | 14 March 2007 |
| Compliance: | <p>The following measure is made mandatory from the effective date of this AD, unless previously accomplished:</p> <p>Before April 30th, 2008, implement modification Tf12 as per paragraph 2 of the Turbomeca Mandatory Service Bulletin n°319 72 4012.</p> |

| | |
|--------------------|---|
| Ref. Publications: | <ul style="list-style-type: none"> ▪ TURBOMECA Mandatory Service Bulletin N° 319 72 4012 update N°1 or any approved subsequent issue. |
| Remarks : | <ol style="list-style-type: none"> 1. If requested, and with appropriate substantiation, the responsible EASA manager for the engines covered by this AD has the authority to accept alternative means of compliance to the AD. 2. This AD was posted as PAD 07-017 on 01 February 2007 for consultation until 01 March 2007. No comments were received during the consultation period. 3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.eu.int 4. For any questions concerning the technical content of the requirements in this AD, please contact: ARRIUS 2 Customer Support TURBOMECA - 40220 TARNOS - FRANCE Fax: +33 5 59 74 45 15 |