

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE	
	PAD No.: 15-123	
	Date: 11 September 2015	
<p>Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>		
<p>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>		
Design Approval Holder's Name:		Type/Model designation(s):
TURBOMECA		MAKILA 2 engines
TCDS Number:	EASA.E.006	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 72		
Engine – Centrifugal Diffuser Ferrule – Inspection		
Manufacturer(s):	Turbomeca, S.A.	
Applicability:	<p>MAKILA 2A and MAKILA 2A1 engines, all serial numbers, if Turbomeca modification (Mod) TU 52 is embodied in production or incorporated in service with Turbomeca SB 298 72 2052.</p> <p>These engines are known to be installed on, but not limited to, Airbus Helicopters (formerly Eurocopter) EC 225 LP helicopters.</p>	
Reason:	<p>Two occurrences of crack initiation were reported on a ferrule of diffuser Part Number (P/N) 0298210100, which propagated and led to the ferrule rupture. The investigation shows in both cases that the ruptured ferrule contacted and punctured the main fuel supply line, resulting in a fuel leak.</p> <p>This condition, if not detected and corrected, could lead to an engine fire, consequently triggering an uncommanded engine in flight shut down, possibly resulting in an emergency landing.</p> <p>Prompted by these occurrences, Turbomeca published Mandatory Service Bulletin (MSB) N° 298 72 2832 to provide repetitive inspection instructions.</p> <p>For the reasons described above, this AD requires repetitive inspections of the affected diffuser and, depending on findings, accomplishment of the applicable corrective action(s).</p>	
Effective Date:	[TBD: 14 days after Final AD issue date]	

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the compliance times specified in the Table of Turbomeca MSB N° 298 72 2832, or within 30 engines hours (EH) after the effective date of this AD, whichever occurs later, as applicable, and, thereafter, at intervals not to exceed 50 EH, accomplish a boroscope inspection of the ferrule of diffuser P/N 0298210100 in accordance with the instructions of Turbomeca MSB N° 298 72 2832.</p> <p>Note: A non-cumulative tolerance as defined in Turbomeca MSB N° 298 72 2832 may be applied to the actions specified in paragraph (1) of this AD.</p> <p>(2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy, as defined in Turbomeca MSB N° 298 72 2832, is detected, before next flight, contact Turbomeca for approved instructions and accomplish those instructions accordingly.</p> <p>(3) Accomplishment of corrective action(s) on an engine, as required by paragraph (2) of this AD, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that engine.</p>
<p>Ref. Publications:</p>	<p>Turbomeca MSB 298 72 2832 Version A dated 03 September 2015.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 09 October 2015. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: Turbomeca, S.A., MAKILA Customer Support, 40220 TARNOS, FRANCE. Fax: +33 5 59 74 45 16; or contact your nearest technical representative at www.turbomeca-support.com.