


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No : 2007-0006</p> <p>Date: 09 January 2007</p>
<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.</p>	
<p>Type Approval Holder's Name : TURBOMECA, S.A.</p>	<p>Type/Model designation(s) : ARRIEL 2B1 turboshaft engines</p>
<p>TCDS Number : EASA E.001</p>	
<p>Foreign AD : Not applicable</p>	
<p>Supersedure : Not applicable</p>	
<p>ATA 73</p>	<p>Engine Fuel & Control – Hydro Mechanical Unit (HMU) Constant Delta Pressure Valve Diaphragm – Replacement</p>
<p>Manufacturer(s):</p>	<p>Turboméca, S.A.</p>
<p>Applicability:</p>	<p>ARRIEL 2B1 turboshaft engines, all serial numbers. These engines are known to be installed on, but not limited to, Eurocopter (formerly Aérospatiale) AS 350 B3 and EC 130 B4 helicopters.</p>
<p>Reason:</p>	<p>This AD is prompted by several reported cases of rupture of the constant delta pressure valve diaphragm on ARRIEL 2B1 engines, due to the wear of the delta-P diaphragm fabric. Rupture can result in the loss of the automatic control mode of the helicopter, accompanied with a deterioration of the behaviour of the auxiliary back-up mode (emergency mode). In order to reduce the probability of a diaphragm rupture, this AD requires the removal from service of all the delta Pressure valve diaphragms logging more than 2,000 hours since new.</p>
<p>Effective Date:</p>	<p>23 January 2007</p>
<p>Compliance:</p>	<p>The following measures are made mandatory from the effective date of this AD:</p> <p>1. Adjusted HMU that have operated for more than 2,000 hours since one of the following, whichever occurs later :</p> <ul style="list-style-type: none"> - New, - Overhaul, - Incorporation of SB 292 73 2105, <p>must be replaced and returned to a Repair Center for replacement of the</p>

	<p>constant delta P diaphragm, as soon as an adjusted HMU is made available and anyway not later than 28 February 2007.</p> <p>2. After 28 February 2007: Upon accumulating 2,000 operating hours since one of the following, whichever occurs later :</p> <ul style="list-style-type: none"> - New, - Overhaul, - Incorporation of SB 292 73 2105, - Incorporation of SB 292 73 2818. <p>replace the adjusted HMU and return it to a Repair Center for replacement of the constant delta P diaphragm.</p>
Ref. Publications:	Turbomeca Mandatory Service Bulletin n° A292 73 2818, original issue or later approved revisions.
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD. 2. This AD was posted as PAD 06-263 on 07 December 2006 for consultation until 07 January 2007. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the AD Focal Point - Certification Directorate, EASA; E-mail: ADs@easa.europa.eu . 4. For any question concerning the technical content of the requirements in this AD, please contact: Turboméca, S.A., ARRIEL 2 Customer Support, 40220 TARNOS, FRANCE. Fax: +33 5 59 74 45 15.

SUPERSEDED