


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p>EAD No: 2006-0378-E</p> <p>Date: 21 December 2006</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: EUROCOPTER</p>	<p>Type/Model designation(s): AS 355 Helicopters</p>
<p>TCDS Number: DGAC France 168</p>	
<p>Foreign AD: Not applicable</p>	
<p>Supersedes: This Emergency AD supersedes and cancels DGAC France AD (CN) F-2006-027, EASA Approval Number 2006-0020.</p>	
<p>ATA 05, 63</p>	<p>Rotor drive(s) – Main Gearbox (MGB) Lubrication Pump – Inspection/Replacement</p>
<p>Manufacturer(s):</p>	<p>EUROCOPTER (Formerly Eurocopter France, Aerospatiale)</p>
<p>Applicability:</p>	<p>AS 355 E, AS 355 F, AS 355 F1, AS 355 F2 and AS 355 N helicopters, all serial numbers, equipped with lubrication pumps Part Number (P/N) 355A32-0700-01, 355A32-0700-02 and 355A32-0701-00 installed on the Main Gearbox (MGB).</p>
<p>Reason:</p>	<p>DGAC France issued Airworthiness Directive (AD) F-2006-027 following four reports of MGB lubrication pump deterioration. These cases had occurred on pumps with serial numbers relatively close to each other and with few operating hours (less than 610 hours). AD F-2006-027 limited the monitoring to MGB oil pumps with certain serial numbers, i.e. those serial numbers corresponding to a machining modification concerning the shape of the pump casing.</p> <p>A further incident has recently occurred on an MGB fitted with a pump that had not been subject to this machining modification. This event shows that the machining modification concerning the pumps is not the only reason for early deterioration of the oil pumps and makes the monitoring of all the oil pumps mandatory. After a period of operation of insufficient lubrication, the Combining Gearbox assembly could deteriorate resulting in the loss of the drive train from one or possibly both engines (deterioration of the combiner gearbox gears).</p> <p>Consequently, this Emergency AD, which supersedes AD F-2006-027:</p> <ul style="list-style-type: none"> - retains the basic requirements of that AD; - extends the applicability to all the pumps mentioned in the Applicability; - requires compliance with Revision 2 of the referenced Alert Service Bulletin (ASB).
<p>Effective Date:</p>	<p>27 December 2006</p>

<p>Compliance:</p>	<p>The following measures are rendered mandatory as from the effective date of this AD :</p> <ol style="list-style-type: none"> 1. At each check after the last flight of the day (ALF) without exceeding 10 flight hours between two checks, inspect the MGB magnetic plug and oil sight glass, in accordance with the instructions specified in paragraph 2.B.1 of the referenced ASB. 2. Depending on the results of the inspection as required by paragraph 1 of this directive, before next flight, check the lubricating pump and, if necessary, take corrective action in accordance with the instructions specified in paragraph 2.B.2 of the referenced ASB. 3. Before installation of a lubrication pump having P/N 355A32-0700-01, 355A32-0700-02 or 355A32-0701-00 which is already installed in a main gearbox or one held as spare on any aircraft: <p>If the pump has logged flight hours since new, overhaul or repair (refer to the log card), check the lubricating pump and, if necessary, take corrective action in accordance with the instructions specified in paragraph 2.B.2 of the referenced ASB.</p>
<p>Ref. Publications:</p>	<p>EUROCOPTER AS 355 Alert Service Bulletin No. 05.00.40 Revision 2 or later approved revisions.</p>
<p>Remarks:</p>	<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. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this AD should be addressed to the AD Focal Point, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STXI) - Aéroport de Marseille Provence 13725 Marignane Cedex - France. Tel: 33 (0) 4 42 85 97 97, Fax: 33 (0) 4 42 85 99 66. E-mail: Directive.technical-support@eurocopter.com

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