


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2012-0131</p> <p>Date: 31 July 2012</p> <p>Note: This Airworthiness Directive (AD) 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>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p>Design Approval Holder's Name:</p> <p>EUROCOPTER</p>	<p>Type/Model designation(s):</p> <p>EC 225 helicopters</p>	
<p>TCDS Number: EASA.R.002</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: None</p>		
ATA 62	Main Rotor – Main Rotor Hub Swashplates – Inspection / Replacement	
<p>Manufacturer(s)</p>	<p>Eurocopter (formerly Eurocopter France).</p>	
<p>Applicability:</p>	<p>Eurocopter EC 225 LP helicopters, all serial numbers, with Main Rotor Hub (MRH) assembly equipped with rotating swashplate Part Number (P/N) 332A31-3074-00 or P/N 332A31-3076-00 and stationary swashplate P/N 332A31-3079-00 or P/N 332A31-3079-01, and one of which parts is installed on the MRH assembly since 2 years or more.</p>	
<p>Reason:</p>	<p>The presence of corrosion has been reported on the rotating and stationary swashplates of the MRH of several helicopters.</p> <p>This condition, if not detected and corrected, may, over time, cause the initiation of cracks on the swashplates with the potential of ultimate failure of those parts which would result in the loss of control of the helicopter.</p> <p>For the reasons described above, this AD requires repetitive inspections of the affected swashplates that could be corroded after a two years period of time and replacement of the MRH assembly in case a crack is found.</p>	
<p>Effective Date:</p>	<p>03 August 2012</p>	

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>(1) After the effective date of this AD, within the compliance times specified in Table 1 of this AD, depending on the number of flight hours (FH) accumulated by the MRH assembly since new or since last Eurocopter Repair, as applicable, and thereafter at intervals not to exceed 1 320 FH, inspect the rotating and stationary swashplates in accordance with the instructions of paragraphs 3.B.1 to 3.B.4 of Eurocopter Alert Service Bulletin (ASB) No. EC225-05A030.</p> <p style="text-align: center;">Table 1 – Initial inspection</p> <table border="1" data-bbox="550 492 1428 728"> <thead> <tr> <th data-bbox="550 492 965 593">Number of FH accumulated by the MRH assembly since new, or since last Eurocopter Repair</th> <th data-bbox="965 492 1428 593">Compliance Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="550 593 965 672">1 210 FH or more</td> <td data-bbox="965 593 1428 672">Within 110 FH after the effective of this AD</td> </tr> <tr> <td data-bbox="550 672 965 728">Less than 1 210 FH</td> <td data-bbox="965 672 1428 728">Upon accumulation of 1 320 FH</td> </tr> </tbody> </table> <p>(2) For all helicopters: If, during any inspection as required by paragraph (1) of this AD, a swashplate crack is found, before next flight, replace the MRH assembly with a serviceable assembly in accordance with the instructions of paragraph 3.B.5 of Eurocopter ASB No. EC225-05A030.</p> <p>(3) For helicopters operating in very cold weather conditions (outside air temperature (OAT) is below -30° Celsius): If, during any inspection as required by paragraph (1) of this AD, corrosion is found, accomplish the following actions:</p> <p>(3.1) Before next flight, install a placard</p> <p style="text-align: center;">“NO FLIGHT IN OAT BELOW -30°C”</p> <p style="text-align: center;">in the full view of the pilots and insert such a Limitation in the Rotorcraft Flight Manual (RFM) of the helicopter,</p> <p style="text-align: center;">and</p> <p>(3.2) Within 150 FH or 6 months after the inspection where the corrosion was first detected, whichever occurs first, replace the MRH assembly with a serviceable assembly in accordance with the instructions of paragraph 3.B.5 of Eurocopter ASB No. EC225-05A030. Concurrently, the placard and insertion in the flight manual as previously required by paragraph (3.1) of this AD can be removed from the helicopter and RFM.</p> <p>(4) For helicopters <u>not</u> operating in very cold weather conditions: If, during any inspection as required by paragraph (1) of this AD, corrosion is found, within 150 FH or 6 months after the inspection where the corrosion was first detected, whichever occurs first, replace the MRH assembly with a serviceable assembly in accordance with the instructions of paragraph 3.B.5 of Eurocopter ASB No. EC225-05A030.</p> <p>(5) Replacement of a MRH assembly as required by paragraph (3.2) or paragraph (4) of this AD, as applicable, does not constitute terminating action for the repetitive inspections required by paragraph (1) of this AD.</p> <p>(6) From the effective date of this AD, do not install any MRH assembly on a helicopter, unless in compliance with the requirements of this AD.</p>	Number of FH accumulated by the MRH assembly since new, or since last Eurocopter Repair	Compliance Time	1 210 FH or more	Within 110 FH after the effective of this AD	Less than 1 210 FH	Upon accumulation of 1 320 FH
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<p>Ref. Publications:</p>	<p>Eurocopter ASB No. EC225-05A030 Revision 0 dated 12 July 2012.</p> <p>The use of later approved revisions of this document is acceptable for</p>						

	compliance with the requirements of this AD.
Remarks:	<ol style="list-style-type: none">1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.2. Based on the required actions and the compliance time, EASA have decided to issue of a Final AD with Request for Comments, postponing the public consultation process until after publication.3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu.4. For any question concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STDI) – Aéroport de Marseille Provence 13725 Marignane Cedex, France, Telephone +33 (4) 42 85 97 97; Facsimile +33 (4) 42 85 99 66; E-mail: Directive.technical-support@eurocopter.com.