


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2011-0030</b></p> <p><b>Date: 25 February 2011</b></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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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><b>Type Approval Holder's Name :</b></p> <p>WSK "PZL-Rzeszów" S.A.</p>	<p><b>Type/Model designation(s) :</b></p> <p>PZL-10W series engines</p>
<p>TCDS Number:      Poland No. CC-190</p>	
<p>Foreign AD:              Not applicable</p>	
<p>Supersedure:            None</p>	
<b>ATA 73</b>	<b>Engine Fuel &amp; Control - Engine Fuel Pump - Inspection</b>
<p>Manufacturer(s):      WSK "PZL-Rzeszów" S.A.</p>	
<p>Applicability:</p> <p>PZL-10 W engines equipped with an ALRP-5 fuel pump.</p> <p>These engines are known to be installed on, but not limited to PZL W-3AS and PZL W-3A helicopters.</p>	
<p>Reason:</p> <p>An uncommanded engine in-flight shutdown of a PZL-10W has been recently reported. The investigation has shown that the uncommanded engine in-flight shutdown was due to excessive spline wear on the fuel metering pump shaft.</p> <p>This condition, if not identified and corrected, may lead to further uncommanded in-flight engine shutdowns and consequent emergency landings of the affected helicopters.</p> <p>To address this unsafe condition, WSK "PZL-Rzeszów" S.A. has developed an inspection programme of the fuel metering pump shaft.</p> <p>For the reasons described above, this AD requires an inspection of the fuel metering pump shaft and the accomplishment of the associated corrective actions, as applicable.</p> <p>This AD is considered to be an interim measure and, depending on the inspection results provided by operators and on the on-going investigation, further AD actions may follow.</p>	

Effective Date:	11 March 2011						
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the compliance time indicated in Table 1 of this AD, as applicable to engine configuration, perform a one time inspection of the spline teeth on the fuel metering pump shaft for excessive wear in accordance with WSK Obligatory Bulletin no. E-19W147B/DOA/2010.</p> <p style="text-align: center;">Table 1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Engine configuration at the effective date of this AD</th><th>Compliance time for the inspection</th></tr> </thead> <tbody> <tr> <td>Engine fitted with a fuel metering pump that has accumulated greater than or equal to 1 000 hours of engine operation since new, or since last overhaul.</td><td>Within a further 25 hours of engine operation after the effective date of this AD.</td></tr> <tr> <td>Engine fitted with a fuel metering pump that has accumulated less than 1 000 hours of engine operation since new, or since last overhaul.</td><td>Between 975 and 1 000 hours of engine operation since new or since last overhaul, or within 25 hours of engine operation after the effective date of this AD, whichever occurs later.</td></tr> </tbody> </table> <p>(2) If, during the inspection required by paragraph (1) of this AD, any discrepancy is found, any further engine operation is prohibited and; within 10 days after accomplishment of the inspection, report the findings to "WSK PZL-Rzeszów" S.A.</p> <p>(3) After the effective date of this AD, do not install an ALRP-5 fuel pump on an engine unless in compliance with the requirements of this AD.</p>	Engine configuration at the effective date of this AD	Compliance time for the inspection	Engine fitted with a fuel metering pump that has accumulated greater than or equal to 1 000 hours of engine operation since new, or since last overhaul.	Within a further 25 hours of engine operation after the effective date of this AD.	Engine fitted with a fuel metering pump that has accumulated less than 1 000 hours of engine operation since new, or since last overhaul.	Between 975 and 1 000 hours of engine operation since new or since last overhaul, or within 25 hours of engine operation after the effective date of this AD, whichever occurs later.
Engine configuration at the effective date of this AD	Compliance time for the inspection						
Engine fitted with a fuel metering pump that has accumulated greater than or equal to 1 000 hours of engine operation since new, or since last overhaul.	Within a further 25 hours of engine operation after the effective date of this AD.						
Engine fitted with a fuel metering pump that has accumulated less than 1 000 hours of engine operation since new, or since last overhaul.	Between 975 and 1 000 hours of engine operation since new or since last overhaul, or within 25 hours of engine operation after the effective date of this AD, whichever occurs later.						
Ref. Publications:	<p>WSK "PZL-Rzeszów" S.A. Obligatory Bulletin no. E-19W147B/DOA/2010.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>						
Remarks :	<ol style="list-style-type: none"> <li>If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication.</li> <li>Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA. E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>For any question concerning the technical content of the requirements in this AD, please contact:  WSK "PZL-Rzeszów" S.A. ul. Hetmańska 120 35-078 Rzeszów POLAND phone: (+48 17) 854-62-00; 854-61-00 fax: (+48 17) 8620750 e-mail: <a href="mailto:antoni.gnot@wskrz.com">antoni.gnot@wskrz.com</a></li> </ol>						