


<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<b>AD No.: 2014-0183-E</b>	
	<b>Date: 01 August 2014</b>	
<p>Note: This Emergency 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 EU 748/2012, Part 21.A.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>		
<b>Design Approval Holder's Name:</b>		<b>Type/Model designation(s):</b>
LANGE FLUGZEUGBAU GmbH		E1 Antares powered sailplanes
TCDS Number:	EASA.A.092	
Foreign AD:	Not applicable	
Supersedure:	None	
<b>ATA 29</b>		
<b>Hydraulic Power – Hydraulic Pump Shaft Coupling – Replacement</b>		
Manufacturer(s):	Lange Flugzeugbau GmbH (Lange Aviation GmbH)	
Applicability:	E1 Antares powered sailplanes, manufacturer serial numbers from 01 through 60E49 inclusive.	
Reason:	<p>Structural failures of shaft coupling connecting hydraulic pump and electrical motor were reported to Lange Aviation GmbH.</p> <p>This condition, if not corrected, could lead to failure to extend or retract the power unit, and consequent failure to retract the landing gear, possibly resulting in reduced control of the powered sailplane.</p> <p>To address this potential unsafe condition, Lange Aviation GmbH issued Technical Note (TN) Nr. 904-5 to provide service instructions.</p> <p>For the reasons described above, this AD requires replacement of the Hydraulic Pump Shaft Coupling with a serviceable part.</p>	
Effective Date:	05 August 2014	
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>Before next flight after the effective date of this AD, replace the Hydraulic Pump Shaft Coupling connecting the hydraulic pump and electrical motor with a serviceable part in accordance with the instructions of Lange Aviation GmbH TN Nr. 904-5.</p>	

Ref. Publications:	<p>Lange Aviation GmbH Technical Note Nr. 904-5: Shaft-coupling in pump-unit, original issue dated 20 March 2014.</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>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li><li>2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process.</li><li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li><li>4. For any question concerning the technical content of the requirements in this AD, please contact: Lange Aviation GmbH, Brüsseler Strasse 30, D-66482 Zweibrücken Tel.: +49 6332 96270 E-mail: <a href="mailto:axel.lange@lange-aviation.com">axel.lange@lange-aviation.com</a>.</li></ol>

**Referenced Publications:**

[Lange Aviation GmbH Technical Note Nr. 904-5](#)

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