

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2009-0134-E</p> <p>Date: 25 June 2009</p> <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 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>Type Approval Holder's Name :</p> <p>AERO Sp. z o.o.</p>	<p>Type/Model designation(s) :</p> <p>ELPROP 3-1-1P propellers</p>
TCDS Number :	EASA.P.009
Foreign AD :	Not applicable
Supersedure :	None
ATA 61	Propeller – Propeller Hub Cracks – Inspection/ Replacement
Manufacturer(s):	AERO Sp. z o.o.
Applicability:	<p>Model ELPROP 3-1-1P propellers, with propeller serial number 3E.001 to 3E.088 inclusive.</p> <p>These propellers are known to be installed on, but not limited to AT-3R100 and AT-4LSA aeroplanes.</p>
Reason:	<p>During propeller service inspections cracks on the propeller hub have been reported. These cracks were detected on the propeller hub surface, near blade attachment bolt holes and in the blade root area. The affected propellers had accrued from four to nine hundreds operating hours.</p> <p>An initial analysis indicates that the cracks may lead to loss of the blade and consequently loss of control of the aircraft.</p> <p>For the reason stated above, a propeller operation with a cracked hub is not allowed.</p> <p>This AD requires that operators perform the first – immediate- inspection after the effective date of this AD of the propeller hub for cracks and subsequent repetitive inspections after every 50 flight hours.</p>
Effective Date:	29 June 2009

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> 1. Before next flight after the effective date of this AD, perform a detailed visual inspection of the propeller hub in accordance with the instructions of paragraph 5 of AERO Sp.z o.o. Mandatory Service Bulletin No EPB.01.B Issue 1 dated 14 May 2009. 2. <u>If any crack is found:</u> <ol style="list-style-type: none"> 2.1 Stop further operations. Before next flight, replace the propeller with a serviceable propeller. 2.2 Thereafter perform repetitive inspections and corrective actions of the propeller in accordance with paragraph 4 of this AD. 3. <u>If no crack is found:</u> <ol style="list-style-type: none"> 3.1 Check the entire hub for uniform gap between both halves, minimum acceptable gap is 0.05 mm. Should the gap be less than required or totally absent, perform actions as per point 3.4 Chapter 3 Propeller Operating Manual Type ELPROP Doc. No .EPI.02 4. At intervals not exceeding 50 flight hours, repeat propeller hub inspections in accordance with the instructions of paragraph 5 of AERO Sp.z o.o. Mandatory Service Bulletin No EPB.01.B Issue 1 dated 14 May 2009.
<p>Ref. Publications:</p>	<p>AERO Sp. z o. o. Service Bulletin Mandatory No EPB.01.B Issue 1 dated 14 May 2009.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance 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 referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this EAD, please contact: <p>AERO Sp. z o. o., ul. Wał Miedzeszyński 844 03-942 Warsaw, Poland Phone; +48(022) 616 20 87 , Fax: +48 (022) 617 85 28 E-mail: service@at-3.com</p>