


<b>EASA</b>	<b>NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE</b>
	<p><b>PAD No.: 10-037</b></p> <p><b>Date: 23 April 2010</b></p> <p>Note: This Proposed Airworthiness Directive (PAD) 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>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>	
<p><b>Type Approval Holder's Name :</b></p> <p>Thielert Aircraft Engines GmbH</p>	<p><b>Type/Model designation(s) :</b></p> <p>TAE 125 series engines</p>
<p>TCDS Number : EASA E.055</p>	
<p>Foreign AD : Not applicable</p>	
<p>Supersedure : None.</p>	
<b>ATA xx</b>	<b>Engine - Timing Chain - Replacement</b>
Manufacturer(s):	Thielert Aircraft Engines GmbH.
Applicability:	<p>TAE 125-02-99, TAE 125-02-114, all serial numbers</p> <p>These engines are known to be installed, but not limited to, Diamond DA 40, DA 42, DA 42M, Apex DR-400, Cessna C172 and Piper PA28.</p>
Reason:	<p>Service experience has shown that fracture of the timing chain can occur due to chain wear.</p> <p>This condition, if not corrected, leads to in-flight cases of engine shutdown.</p> <p>To address and correct this situation, TAE has introduced a mandatory timing chain replacement.</p> <p>For the reason described above, this AD requires the repetitive replacement of the timing chain.</p>
Effective Date:	[TBD: 14 days after final AD issue date]
Required action(s) and Compliance Time(s):	<p>Required as indicated:</p> <p>(1) For engines with the following serial numbers:</p> <p>From 02-02-01510 to 02-02-01514 inclusive;</p> <p>From 02-02-01518 to 02-02-01520 inclusive;</p> <p>02-02-01529, 02-02-01717, 02-02-01718, 02-02-01720, 02-02-01721;</p> <p>02-02-01727, 02-02-01728;</p> <p>From 02-02-01730 to 02-02-01733 inclusive;</p>

	<p>From 02-02-01739 to 02-02-01752 inclusive.</p> <p>(1.1) For engines Time Since New (TSN) having accumulated between 500 Flight Hours (FH) and 600 FH inclusive, within 110 FH after the effective date of this AD or at the next maintenance, whichever occurs first, replace the timing chain in accordance with Thielert Aircraft Engines SB TM TAE 125-1010 P1 Initial Issue.</p> <p>(1.2) For engines TSN having accumulated 501 FH or more, within 55 FH after the effective date of this AD or at the next maintenance, whichever occurs first, replace the timing chain in accordance with Thielert Aircraft Engines SB TM TAE 125-1010 P1 Initial Issue.</p> <p>(2) For all engines not listed in paragraph (1) of this AD:</p> <p>(2.1) For engines TSN having accumulated between 800 FH and 900 FH inclusive, within 110 FH after the effective date of this AD or at the next maintenance, whichever occurs first, replace the timing chain in accordance with Thielert Aircraft Engines SB TM TAE 125-1010 P1 Initial Issue.</p> <p>(2.2) For engines TSN having accumulated 901 FH or more, within 55 FH after the effective date of this AD or at the next maintenance, whichever occurs first, replace the timing chain in accordance with Thielert Aircraft Engines SB TM TAE 125-1010 P1 Initial Issue.</p> <p>(3) Thereafter, for <u>all</u> engines indicated in the "Applicability" of this AD, at intervals not to exceed 910 FH from previous replacement, replace the timing chain in accordance with Thielert Aircraft Engines SB TM TAE 125-1010 P1 Initial Issue.</p>
Ref. Publication:	<p>Thielert Aircraft Engines SB TM TAE 125-1010 P1 Initial Issue dated 01 April 2010</p> <p>Repair Manual RM-02-02 Issue 1 Revision 18 dated 01 April 2010</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<ol style="list-style-type: none"> <li>1. This Proposed AD will be closed for consultation on 21 May 2010.</li> <li>2. Enquiries regarding this PAD 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>3. For any question concerning the technical content of the requirements in this PAD, please contact: Thielert Aircraft Engines GmbH Platanenstraße 14 D-09350 Lichtenstein, Germany Telephone +49-37204-696-0; Fax +49-37204-696-2912; E-mail <a href="mailto:info@centurion-engines.com">info@centurion-engines.com</a>.</li> </ol>