

SERVICE INFORMATION NO. SI 42-085

NOTE: SI's are used **only**:

- 1) To distribute information from DAI to our customers.
- 2) To distribute applicable information / documents from our suppliers to our customers with additional information.

Typically there is no revision service for SI's. Each new information or change of that will be send along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

All DA 42 airplanes equipped with TAE 125-01 engines.

1.2 Subject:

EASA AD No. 2008-0130
ATA-Code: 61-00

1.3 Reason:

EASA has issued an Airworthiness Directive concerning the replacement of the propeller control valve, P/N NM-0000-0124501, installed on Thielert TAE 125-01 engines.


1.4 Information:

For detailed technical information see EASA AD No. 2008-0130 which is applicable without any further additions or restrictions.

II. OTHERS

The EASA AD No. 2008-0130 is attached to this SI.

In case of doubt contact Thielert Aircraft Engines GmbH.

EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0130</p> <p>Date: 15 July 2008</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>Type Approval Holder's Name :</p> <p>Thielert Aircraft Engines GmbH</p>	<p>Type/Model designation(s) :</p> <p>TAE125-01 engines</p>
TCDS Number :	EASA E.055
Foreign AD :	Not applicable
Supersedure :	None
ATA 61	Propellers – Propeller Control Valve – Replacement (Life Limit)
Manufacturer(s):	Thielert Aircraft Engines GmbH.
Applicability:	TAE125-01 engines, all serial numbers, if installed on Diamond Aircraft Industries Model DA 42 aircraft.
Reason:	<p>In-flight engine shutdown incidents have been reported on Diamond Aircraft Industries DA 42 aircraft equipped with TAE125-01 engines. Preliminary investigations showed that it was mainly the result of failure of the propeller control valve. This condition, if not corrected, could lead to further cases of engine in-flight shutdown, possibly resulting in reduced control of the aircraft.</p> <p>For the reasons stated above, this EASA AD introduces a life limit of 300 flight hours (FH) for the Proportional Pressure Reducing Valve 24V (propeller control valve) Part Number (P/N) NM-0000-0124501 and requires the replacement of propeller control valves that have exceeded the established life limit.</p> <p>As this problem has only manifested itself on this engine as installed on Diamond Aircraft Industries DA 42 aircraft, TAE125-01 engines installed on other aircraft are not affected.</p>
Effective Date:	29 July 2008

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Initially, replace the propeller control valve P/N NM-0000-0124501 in accordance with the instructions of Thielert Aircraft Engines Service Bulletin TM TAE125-0018 at the time indicated in Table 1 below:</p> <table border="1" data-bbox="550 380 1356 817"> <thead> <tr> <th colspan="2" data-bbox="550 380 1356 430">Table 1</th> </tr> <tr> <th data-bbox="550 430 944 510">Gearbox accumulated time since new:</th> <th data-bbox="944 430 1356 510">Compliance time:</th> </tr> </thead> <tbody> <tr> <td data-bbox="550 510 944 649">More than 400 FH</td> <td data-bbox="944 510 1356 649">55 FH or during the next scheduled maintenance, whichever occurs first after the effective date of this AD</td> </tr> <tr> <td data-bbox="550 649 944 817">Less than 400 FH</td> <td data-bbox="944 649 1356 817">Upon accumulating 300 FH (first scheduled maintenance), or within 110 FH, whichever occurs later after the effective date of this AD</td> </tr> </tbody> </table> <p>(2) Thereafter, at intervals not to exceed 300 FH, replace the propeller control valve P/N NM-0000-0124501 in accordance with the instructions of Thielert Aircraft Engines Service Bulletin TM TAE125-0018.</p>	Table 1		Gearbox accumulated time since new:	Compliance time:	More than 400 FH	55 FH or during the next scheduled maintenance, whichever occurs first after the effective date of this AD	Less than 400 FH	Upon accumulating 300 FH (first scheduled maintenance), or within 110 FH, whichever occurs later after the effective date of this AD
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<p>Ref. Publication:</p>	<p>Thielert Service Bulletin TM TAE125-0018 dated 19 June 2008.</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. This AD was posted on 25 June 2008 as PAD 08-073 for consultation until 09 July 2008. The Comment Response Document can be found at http://ad.easa.europa.eu. 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 questions concerning the technical content of the requirements in this AD, please contact: Thielert Aircraft Engines GmbH Platanenstraße 14 D-09350 Lichtenstein, Germany Telephone +49-37204-696-0; Fax +49-37204-696-55; E-mail info@centurion-engines.com 								