EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2008-0145 **Date: 01 August 2008** 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.

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].

Type Approval Holder's Name :	**Type/Model designation(s) :**
Thielert Aircraft Engines GmbH	TAE125 engines

TCDS Number :	EASA.E.055
Foreign AD :	Not applicable
Supersedure :	This AD supersedes EASA AD 2008-0130 dated 15 July 2008.

ATA 61	**Propellers – Propeller Control Valve – Replacement (Life Limit)**
Manufacturer(s):	Thielert Aircraft Engines GmbH.
Applicability:	TAE125-01 and TAE125-02-99 engines, all serial numbers, if installed on Diamond Aircraft Industries Model DA 42 aircraft.
Reason:	In-flight engine shutdown incidents have been reported on Diamond Aircraft Industries DA 42 aircraft equipped with TAE125 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. EASA AD 2008-0130 has been published to require implementation of 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 on TAE125-01 engines and replacement of propeller control valves that have exceeded the established life limit. The same P/N valve is also installed on TAE125-02-99 engines. As this problem has only manifested itself on those engines, as installed on Diamond Aircraft Industries DA 42 aircraft, any TAE125-01 and TAE125-02-99 engines installed on other aircraft are not affected. For the reasons stated above, this EASA AD retains the requirements of AD 2008-0130, which is superseded, and expands the applicability to include TAE125-02-99 engines on Diamond DA 42 aircraft that have the affected valve installed.
Effective Date:	15 August 2008

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

(1) For TAE125-01 engines, initially replace the propeller control valve P/N NM-0000-0124501 in accordance with the instructions of Thielert Aircraft Engines (TAE) Service Bulletin (SB) TM TAE125-0018 at the time indicated in Table 1 below:

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 29 July 2008, the effective date of AD 2008-0130.
Less than 400 FH	Upon accumulating 300 FH (first scheduled maintenance), or within 110 FH, whichever occurs later after 29 July 2008, the effective date of AD 2008-0130.

(2) For TAE125-02-99 engines, initially replace the propeller control valve P/N NM-0000-0124501 in accordance with the instructions of TAE SB TM TAE125-1007 P1 at the time indicated in Table 2 below:

Table 2

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

(3) After compliance with paragraph (1) or (2) of this AD, as applicable to engine model, at intervals not to exceed 300 FH, replace the propeller control valve P/N NM-0000-0124501 in accordance with the instructions of TAE SB TM TAE125-0018 or SB TM TAE125-1007 P1, as applicable.

Ref. Publication:

Thielert Aircraft Engines SB TM TAE125-0018 dated 19 June 2008 and TM TAE125-1007 P1 dated 11 July 2008.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

Remarks :

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 16 July 2008 as PAD 08-082 for consultation until 30 July 2008. No comments were received during the consultation period.
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 AD, please contact:
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