


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0215</p> <p>Date: 05 December 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 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>Thielert Aircraft Engines GmbH</p>	<p>Type/Model designation(s) :</p> <p>TAE 125-02-99 engines</p>
TCDS Number :	EASA.E.055
Foreign AD :	Not applicable
Supersedure :	None
ATA 72/ATA 05	Replacement of Rail Pressure Control Valve – Modification of VRail Plug - Time Limits / Maintenance Checks – Airworthiness Limitations – Implementation
Manufacturer(s):	Thielert Aircraft Engines GmbH
Applicability:	<p>TAE 125-02-99 engines (commercial designation Centurion 2.0), all serial numbers</p> <p>These engines are known to be installed on, but not limited to, Cessna 172 and (Reims-built) F172 series (EASA STC Nr. EASA.A.S.01527), Piper PA-28 series (EASA STC Nr. EASA.A.S.01632), APEX (Robin) DR 400 series (EASA STC Nr. EASA.A.S.01380) and Diamond DA 40 D, DA 42 and DA 42 M aircraft.</p>
Reason:	<p>As a consequence of occurrences and service experience, Thielert Aircraft Engines GmbH has introduced a new rail pressure control valve Part Number (P/N) 05-7320-E000702 and has amended the Airworthiness Limitation Section (ALS) of the Operation & Maintenance Manual OM-02-02 to include a replacement of the rail pressure control valve. Failure of this part could result in in-flight shut downs of the engine(s).</p> <p>Consistent with the EASA policy to mandate new airworthiness limitations by AD action and for the reasons described above, this EASA AD requires replacement of the rail pressure control valve, modification of the VRail Plug and the implementation of the instructions, limitations, inspections and corrective measures, as specified in TAE SB TM 125-1008 P1 and in issue 1 revision 2 of the chapter 5 of the OM-02-02.</p>

Effective Date:	19 December 2008
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> 1) Within the next 110 flight hours after the effective date of this AD, replace the rail pressure control valve P/N 05-3940- K001501 and modify the VRail Plug in accordance with the instructions of TAE SB TM 125-1008 P1 R1. 2) Within the next 3 months after the effective date of this AD, amend the approved engine maintenance schedule to incorporate the instructions of Chapter 5 "Airworthiness Limitations" of OM-02-02 Issue 1 Revision 2. 3) Thereafter, accomplish the tasks within the thresholds and intervals (as) defined and instructed in Chapter 5 "Airworthiness Limitations" of OM-02-02 Issue 1 Revision 2 <p>Note: Engines with Serial Numbers (S/N) as identified within the TAE SB TM 125-1008 P1 R1 have already incorporated these modifications and therefore do not need to comply with Paragraph 1 of this AD.</p>
Ref. Publications:	<p>Thielert Service Bulletin TAE SB TM 125-1008 P1 R1, dated 29 September 2008</p> <p>Thielert Aircraft Engines GmbH Operation & Maintenance Manual TAE 125-02-99 OM-02-02, Chapter 5 at Issue 1 Revision 2, dated 24 September 2008.</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"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 1 October 2008 as PAD 08-110 for consultation until 20 October 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 question 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