

2010-06-12R1 Thielert Aircraft Engines GmbH: Amendment 39-16906 ; Docket No. FAA-2009-0948; Directorate Identifier 2009-NE-30-AD.

(a) Effective Date

This airworthiness directive (AD) is effective February 3, 2012.

(b) Affected ADs

This AD revises AD 2010-06-12, Amendment 39-16236 (75 FR 12439, March 16, 2010).

(c) Applicability

This AD applies to Thielert Aircraft Engines GmbH (TAE) models TAE 125-01 and TAE 125-02-99 reciprocating engines.

(d) Reason

This AD was prompted by the determination that our AD was inadvertently more restrictive than European Aviation Safety Agency AD 2008-0128. We are issuing this AD to prevent engine in-flight shutdown, possibly resulting in reduced control of the aircraft.

(e) Actions and Compliance

Unless already done, do the following actions.

(1) TAE 125-02-99 Reciprocating Engines

(i) For TAE 125-02-99 reciprocating engines, within 100 flight hours after the effective date of this AD, replace the existing rail pressure control valve with a rail pressure control valve P/N 05-7320-E000702. Modify the Vrail plug by removing the two existing single wire sealings and installing three new single wire sealings, P/N AMP-828904-1.

(ii) Guidance on the rail pressure control valve replacement and Vrail plug modification specified in paragraph (e)(1)(i) of this AD can be found in Thielert Repair Manual RM-02-02, Chapter 73-10.08, and Chapter 39-40.08, respectively.

(2) TAE 125-01 Reciprocating Engines

(i) For TAE 125-01 reciprocating engines, before 600 flight hours time-since-new, or within 100 flight hours after the effective date of this AD, whichever occurs later, replace the existing rail pressure control valve with a rail pressure control valve, P/N 02-7320-04100R3.

(ii) Guidance on the rail pressure control valve replacement specified in paragraph (e)(2)(i) of this AD can be found in Thielert Repair Manual RM-02-01, Chapter 29.0.

(3) TAE 125-02-99 and TAE 125-01 Engines, Repetitive Replacements of Rail Pressure Control Valves

Thereafter, for affected TAE 125-02-99 and TAE 125-01 engines, replace the rail pressure control valve with the same P/N valve within every 600 flight hours.

(f) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(g) Related Information

(1) For related information, refer to MCAI EASA AD 2008-0128, dated July 9, 2008, EASA AD 2008-0215, dated December 5, 2008, Thielert Service Bulletin No. TAE 125-1008 P1, Revision 1, dated September 29, 2008, and Thielert Repair Manual RM-02-02. For a copy of the service information referenced in this AD, contact Thielert Aircraft Engines GmbH, Platanenstrasse 14 D-09350, Lichtenstein, Germany; phone: 37204-696-0; fax: 37204-696-55; email: [engines.com">info@centurion-engines.com](mailto:info@centurion-engines.com).

(2) For more information about this AD, contact Alan Strom, Aerospace Engineer, Engine Certification Office, FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; phone: (781) 238-7143; fax: (781) 238-7199; email: alan.strom@faa.gov.

(h) Material Incorporated by Reference

None.