AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Thielert Piston Engines

AD/THIELERT/2 — Detachment of HP Fuel Pump Mounting Bolts — 1/2005 DM

Applicability: All Thielert TAE125-01 Model Engines equipped with High Pressure (HP) Fuel Pumps:

a. Part Numbers (P/N) 02-7310-04005R3 and 02-7310-04005R4 with S/N's listed on page 3 of the manufacturer's Service Bulletin (SB) No. TAE 125-0009 R1 dated 29 October 2004; and

b. P/N 02-7310-04005R2; and

c. All High Pressure Pumps with a P/N beginning with "A".

Requirement:

1. For HP Pumps P/N 02-7310-04005R3 and P/N 02-7310-04005R4 with S/Ns listed on page 3 of SB TAE 125-0009 R1, secure the pump mounting bolts with Loctite 243 Blue, medium strength Threadlocker as per provisions of the SB.

2. Replace all HP Fuel Pumps P/N 02-7310-04005R2.

3. Replace all HP Fuel Pumps with a P/N beginning with "A".

Note: German LBA Airworthiness Directive D-2004-473 dated 14 November 2004 as approved by EASA reference No 2004-10850 dated 04 November 2004 refers.

Compliance: Unless previously accomplished, within the next 20 flight hours or within the next 30 calendar days after the effectivity date of this Directive, whichever occurs first.

This Airworthiness Directive becomes effective on 24 November 2004.

Background: Mounting bolts of HP Fuel Pumps have been found detached due to insufficient locking of the affected bolts. In one case a significant fuel leakage at the fuel pump occurred shortly before take-off of the aircraft.

Loosening of fuel pump mounting bolts can result in fuel leakage, engine fire and / or loss of engine power because of the fuel starvation.

Thielert Piston Engines

AD/THIELERT/2 (continued)

The actions specified in this Airworthiness Directive are intended to correct the identified unsafe condition.

James Coyne
Delegate of the Civil Aviation Safety Authority

17 November 2004

The above AD is notified in the *Commonwealth of Australia Gazette* on 24 November 2004.