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**AIRWORTHINESS DIVISION**

**MAINTENANCE ADVISORY NOTICE THIELERT #001**

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**GENERAL: Adherence to maintenance requirements as stipulated by the manufacturer of Thielert Diesel engines fitted to various small aircraft**

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**Purpose of this maintenance advisory notice**

Recent concerns were raised regarding the compliance with manufacturer's requirements for the maintenance of Thielert type diesel engines fitted to numerous small aircraft types and the adherence thereto. Further to this, the Maintenance Advisory notice provides for information regarding the differences in maintenance requirements of the Thielert diesel type engines versus the "original" Teledyne Continental and Textron Lycoming engines usually found fitted to the subject aircraft dealt with herein.

**Regulatory background**

CAR 43.02.3 b) states that any person who carries out maintenance on an aircraft or aircraft component shall –

- (b) use methods, techniques and practices which are –
- (i) **prescribed in the current manufacturer's maintenance manual or in any instructions for safe operation and continued airworthiness;**
  - (ii) in accordance with the approved maintenance schedule for the aircraft;
  - (iii) in accordance with Document SA-CATS 43; or
  - (iv) approved by the Director

**Discussion**

**Scheduled maintenance requirements**

- It is important to bear in mind that the scheduled maintenance requirements of the Thielert engine versus the Continental or Lycoming piston engine types vary considerably in the sense that they are based on operating hours and calendar time as per the Centurion Operation & Maintenance manual OM-02-02 Paragraphs 6.2 & 6.3. Further to this, particular attention should be given to the 100hr, 200hr, 300hr, 600hr, 900hr & 1200hr scheduled inspection requirements which include instructions to replace certain life limited components at certain intervals.
- Failure to comply with the above mentioned requirements may lead to failure of aircraft systems and possible loss of life as a result.

### Compliance

This maintenance advisory notice is published for the purpose of information and to highlight the requirements of CAR Part 43.02.3 b) of the Civil Aviation Regulations of 1997, as amended.

### Conclusion

In conclusion it is important to be aware that the SA CAA requires full compliance with the requirements of the Thielert Centurion Operation & Maintenance Manual OM-02-02 when carrying out maintenance on any aircraft with a Thielert Centurion engine fitted as applicable.

This maintenance advisory notice is issued in the interest of promoting aviation and public safety.



Director of Civil Aviation

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