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 CAR 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.

Franklin Piston Engines

AD/FK-P/7 Interchangeability of Parts 1/2003 TX

Applicability: All Franklin model 6A-350-C1R, C1, C2 and 4A-235-B3, B31, B4 engines.

Requirement: Action in accordance with WSK-RZESZOW Service Bulletin PZL-F/69/2002.

Note: Republic of Poland General Inspectorate of Civil Aviation Airworthiness Directive Nr SP-0058-2002-B refers.

Compliance: Before further flight.

This Airworthiness Directive becomes effective on 29 November 2002.

Background: There have been occurrences of excessive wear of the drive gears between the oil pump and the camshaft. This is due to different specifications regarding the hardness of the materials used for the manufacture of the gears. More than one manufacturer supplies the gears. Mixing of the gears can cause excessive wear and ultimately lead to the failure of the engine. This Directive addresses the problem by providing an in-service check for engines already fitted with a mixed set of gears, and a requirement for engines needing gears to be replaced at overhaul to have any gear replacements done in matched pairs.

David Alan Villiers
Delegate of the Civil Aviation Safety Authority

26 November 2002

The above AD is notified in the *Commonwealth of Australia Gazette* on 29 November 2002.