

AIRWORTHINESS DIRECTIVE OF THE NETHERLANDS

(Bijzondere Luchtwaardigheids Aanwijzing - BLA)



Ministry of Transport, Public Works and Water Management

Directorate-General of Civil Aviation

Aeronautical Inspection Directorate

Postbus 575 2130 AN Hoofddorp Tel.02503-63131

BLA nr: 92-073

Date : July 10, 1992

F O K K E R

Type: F.27 Mk.050

Seq.: 108

The following Airworthiness Directive (BLA), issued by the Department of Civil Aviation of the Netherlands (Rijksluchtvaartdienst - RLD) in accordance with the Civil Air Navigation Regulations (RTL), Art.76 and 88, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety. They are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive.

ENGINE FUEL & CONTROL - MOTIVE FLOW TUBE ASSEMBLY - REPLACEMENT

Description:

So far, five incidents have been reported of high pressure fuel leakages, due to a cracked motive flow tube. The motive flow tube assembly transfers fuel under high pressure from the mechanical fuel control unit (MFCU) to the ecology drains tank for suction purposes. Two of these cases occurred during flight and resulted in substantial spillage of fuel into the engine accessory compartment. Subsequent investigation revealed the cracking to be the result of a combination of low cycle fatigue and high material stresses, possibly aggravated by misalignment of the tube shape during installation. Since this unsafe condition may exist or develop on other aircraft with the same type engine installed, this Airworthiness Directive (BLA) requires the replacement of the motive flow tube assembly with a new, rerouted one.

Effectivity:

- * F.27 Mk.050 aircraft, all serial numbers, if Pratt & Whitney Canada PW125B engines are installed in pre- SBF50-73-015 (P&WC SB No. 21143) -configuration.
- * Pratt & Whitney Canada PW125B spare engines, serial numbers:
all, prior to serial number PC-E125151.

Effective date: July 17, 1992

Compliance: required at the next engine disassembly which ensures both sufficient access to the affected part and availability of all affected spare parts, or before January 01, 1994, whichever comes first.

Accomplishment: In accordance with Fokker Service Bulletin F50-73-015 dated June 23, 1992 or a later RLD-approved revision; and Pratt & Whitney Canada Service Bulletin (SB) No.21143 dated April 13, 1992 or a later Transport Canada (DOT) approved revision. Pratt & Whitney Canada Service Information Letter No. PW-222 dated December 12, 1991 also pertains to this subject.

Remarks:

- Operators of the affected aircraft may obtain copies of the ref. service information upon request directly from the manufacturer.
- Compliance with this AD must be recorded in the proper Aircraft Log Book(s).
- If applicable, the requirements of this AD must be integrated into the aircraft's Maintenance Schedule.

Note: Address inquiries regarding this AD to:

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