

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of 'Consigne de Navigabilité' ref. : 2000-018(B)
In case of any difficulty, reference should be made to the French original issue.

CFM INTERNATIONAL

CFM56-2, -3-B1, -3B-2, -3C-1 series turbofan engines

Inspection of high pressure turbine front rotating air seal (FOS) (ATA 72)

1. APPLICABILITY

This Airworthiness Directive applies to CFM56-2, CFM56-3-B1, CFM56-3B-2 and CFM56-3C-1 turbofan engines which HPT FOS serial number starts with NCE [see detail in appendix 1 of SB 72-869 dated November 12, 1999 (or later revision) in appendix 1 of SB 72-922 dated November 12, 1999 (or later revision)].

3. REASON

On a CFM56-3 a HPT front rotating air seal separation caused an uncontained engine event. A crack started from damage that occurred during the manufacture of one bolt hole. The cause of the damage is the use of machining parameters/processes outside of the range required for manufacture. The affected parts were produced by the same machining source.

3. MANDATORY ACTIONS

- Perform an eddy current Inspection of the HPT front rotating air seal to identify any bolt hole anomalies, respecting method, dates and cycles since new (CSN) indicated in CFM56-2 SB 72-869 dated November 12, 1999 and CFM56-3/-3B/-3C SB 72-922 dated November 12, 1999,
- Remove from service parts found with cracks,
- No later than 30 days after the inspection, report the result to CFM INTERNATIONAL using the certificate of conformance attached to the SB.

REF. : Service Bulletin CFM56-2 72-869 dated November 12, 1999
and CFM56-3/-3B/-3C SB 72-922 dated November 12, 1999

EFFECTIVE DATE:

ON RECEIPT FROM JANUARY 12, 2000

n/AK

January 12, 2000

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2000-018(B)