

PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-4-075/98

Datum vydání: 09 listopadu 1998

MOTOR - DISK DMYCHADLA - KONTROLA

Týká se: všech motorů CFM 56-3 vyrobených firmou CFM International..

Datum účinnosti: 03. prosince 1998

Provést v termínech: Jak je popsáno v DGAC AD č. 97-298(B) R2 (příloha tohoto PZZ)..

Postup provedených prací: Dle DGAC AD č. 97-298(B) R2.

Poznámky: Provedení tohoto PZZ musí být zapsáno do letadlové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL technický inspektorát - Ing.Toman. Pokud to vyžaduje povaha tohoto PZZ musí být zapracován do příslušné části dokumentace pro obsluhu,údržbu a opravy letadla. Tento PZZ byl vypracován na základě DGAC AD č. 97-298(B)R2.

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Úřad pro civilní letectví

GSAC

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. : 97-298(B) R2

In case of any difficulty, reference should be made to the French original issue.

CFM INTERNATIONAL

CFM 56-3 engines

Fan disk inspection

Applicability :

All CFM56-3 engines.

Background :

Two in service events occurred on CFM56-3 fan modules in 1996 : one blade failure at the root and one fan disk found cracked in two dovetails in shop. Investigations revealed that wear on fan disk dovetail pressure faces is the main contributor to these two events.

In order to reduce the risk to have further cracked fan disks in the fleet, the following conditions are made mandatory.

Requirements and Compliance :

As indicated below.

1/ Lubrication Practice

Use of ZIP D5460 NS and ZIP D5460 products to lubricate fan blades is no more allowed.

2/On wing wear inspection following SB 72-854 R1 dated August 07, 1998 or later revision

On CFM56-3/-3B/-3C engines equipped with fan disk which meet the following criteria on effective date of this AD a on wing wear inspection must be performed following the CFMI Service Bulletin 72-854 R1 dated August 07, 1998 or later revision.

- Parts affected by this AD are :

a) Lubricated fan disks with ZIP D5460 or ZIP D5460 NS during more than one year when they reach or already have above 8000 cycles / 14000 hours since new or since rebroach (whichever occur first).

b) Relubricated fan disks with all current recommended lubricants when they reach or already have above 20000 cycles / 35000 hours since new or since rebroach (whichever occur first).

3/ Inspection is not required per this AD

a) If the fan disk has been equipped before 3000 cycles / 5250 hours since new or since rebroach with the following recommended configurations and relubricated with all current recommended lubricants :

25° fan blades with dampers or 37° fan blades for fan disk operated at 20.000 lbs (8896 daN) thrust rating or less.

37° fan blades with dampers for fan disk operated at any thrust rating.

b) If the fan disk has been inspected at shop level per Engine Shop Manual limits (0.004 inch) 0.10 mm max wear limits in depth and since this inspection equipped with the same following recommended configurations and relubricated with all current recommended lubricants

25° fan blades with dampers or 37° fan blades for fan disk operated at 20.000 lbs (8896 daN) thrust rating or less.

37° fan blades with dampers for fan disk operated at any thrust rating.

Ref. : SB CFMI 72-854 R1 dated August 07,1998 or later revision

This Revision 2 replaces AD 97-298(B)R1 dated November 19,1997.

EFFECTIVE DATES :

Original AD : OCTOBER 18,1997

Revision 1 : NOVEMBER 29,1997

Revision 2 : SEPTEMBER 19,1998