PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-2-036/98

Datum vydání: 29.04.1998

Datum účinnosti: 05.05.1998

98-07-02 CFM International: Amendment 39-10420. Docket 98-ANE-16-AD.

Applicability: CFM International CFM56-2, -3, -3B, and 3C series turbofan engines installed on, but not limited to, McDonnell Douglas DC-8 series and Boeing 737 series aircraft.

Note 1: This airworthiness directive (AD) applies to each engine identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For engines that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (e) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Compliance: Required as indicated, unless accomplished previously.

To prevent rubs between the outer cone of the No. 3 bearing rear stationary air/oil seal and the high pressure compressor rotor (HPCR) stage 1-2 spool, which could result in a potential uncontained failure of the HPCR stage 1-2 spool, and damage to the aircraft, accomplish the following:

(a) For CFM International CFM56-2 series engines, with high pressure compressor rotor (HPCR) stage 1-2 spool, Part Number (P/N) 9992M60G07, with part Serial Number (S/N) listed in CFM56-2 Service Bulletin (SB) No. 72-825, dated January 23, 1998, installed, accomplish the following:

(1) Remove the HPCR stage 1-2 spool from service at the next engine shop visit after the effective date of this AD, or prior to accumulating 2,000 cycles in service (CIS) since the engine shop visit that first confirmed the rub event, whichever occurs first, in accordance with CFM International CFM56-2 SB No. 72-825, dated January 23, 1998, and replace with a serviceable HPCR stage 1-2 spool.

(2) Install No. 3 bearing rear air/oil seal retention bushings in accordance with CFM International CFM56-2 SB No. 72-823, dated August 12, 1997.

(b) For CFM International CFM56-3, -3B, and -3C series engines, with HPCR stage 1-2 spool, P/N 1589M66G02, with part S/Ns listed in CFM International CFM56-3/-3B/-3C SB No. 72-856, dated January 23, 1998, installed, accomplish the following:

(1) Remove the HPCR stage 1-2 spool from service at the next engine shop visit after the effective date of this AD, or prior to accumulating 2,000 CIS since the engine shop visit that first confirmed the rub event, whichever occurs first, in accordance with CFM56-3/-3B/-3C SB No. 72-856, dated January 23, 1998, and replace with a serviceable HPCR stage 1-2 spool.

(2) Install No. 3 bearing rear air/oil seal retention bushings in accordance with CFM International CFM56-3/-3B/-3C SB No. 72-855, Revision 1, dated February 9, 1998.

(c) For CFM56-3, -3B, and -3C engines, having any of the following engine S/Ns: 856692, 856709, 856713, 856799, 856673, 856691, 856694, 856696, 856697,

856746, 856780, 857669, 857685, 857686, 857704, and 859115; accomplish the following within 15 days after the effective date of this AD:

(1) Remove from service No. 3 bearing rear stationary air/oil seal, P/N 1663M91G03, and replace with a serviceable No. 3 bearing rear stationary air/oil seal. No. 3 bearing rear stationary air/oil seals removed in accordance with this paragraph are unserviceable.

(2) Install No. 3 bearing rear air/oil seal retention bushings in accordance with CFM International CFM56-3/-3B/-3C SB No. 72-855, Revision 1, dated February 9, 1998.

(d) For the purpose of this AD, the following definitions apply:

(1) A shop visit is defined as the induction of an engine into the shop for any maintenance.

(2) A serviceable HPCR stage 1-2 spool is defined as a spool without a rub or scratch indication.

(3) A serviceable No. 3 bearing rear stationary air/oil seal is defined as a new seal, P/N 1663M91G03, that is not identified by S/N in Table 1 of this AD.

Table 1 No. 3 Bearing Rear Stationary Air/Oil Seal S/Ns

P/N 1663M91G03

CTD81631	CTD81907	CTD81908	CTD81998
CTD82004	CTD82132	CTD82208	CTD82210
CTD82212	CTD82213	CTD82271	CTD82295
CTD82297	CTD82298	CTD82300	CTD82304
CTD82457	CTD82759	CTD82766	CTD82767
CTD82788	CTD82817	CTD82822	CTD82854
CTD82855	CTD82856	CTD82857	CTD82859
CTD82962	CTD83232	CTD83474	CTD83837
CTD83839	CTD84100	CTD84138	CTD84140
CTD84141	CTD84143	CTD84144	CTD84145
CTD84148	CTD84203	CTD84206	CTD84207
CTD84258	CTD84262	CTD84360	CTD84363
CTD84604	CTD84712	CTD84741	CTD85147
CTD85148	CTD85149	CTD85161	CTD85162
CTD85166	CTD85168	CTD85169	CTD85170
CTD85172	CTD85348	CTD85349	CTD85351

(e) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Engine Certification Office. Operators shall submit their requests through an appropriate FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Engine Certification Office.

Note 2: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Engine Certification Office.

(f) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the aircraft to a location where the requirements of this AD can be accomplished.

(g) The actions required by this AD shall be done in accordance with the following CFM International SBs:

Document No.	Pages	Revision	Date
CFM56-2 SB No. 72-823 Total pages: 12.	1-12	Original	August 12, 1997
CFM56-2 SB No. 72-825 Total pages: 7.	1-7	Original	January 23, 1998
CFM56-3/-3B/-3C, SB No. 72-856 Total pages: 8.	1-8	Original	January 23, 1998
CFM56-3/-3B/-3C, SB No. 72-855 Total pages: 16.	1-16	1	February 9, 1998

This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from CFM International, Technical Publications Department, 1 Neumann Way, Cincinnati, OH 45215; telephone (513) 552-2981, fax (513) 552-2816. Copies may be inspected at the FAA, New England Region, Office of Regional Counsel, 12 New England Executive Park, Burlington, MA; or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(h) This amendment becomes effective on March 30, 1998.

FOR FURTHER INFORMATION CONTACT:

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Případné dotazy konzultujte s pracovníkem ÚCL Technický inspektorát: Ing.Toman tf.č.2011/27