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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2004–NM–37–AD; Amendment 39–14180; AD 2005–14–03]

RIN 2120–AA64

Airworthiness Directives; Empresa Brasileira de Aeronautica S.A. (EMBRAER) Model EMB–145 and EMB–135 Series Airplanes

AGENCY: Federal Aviation Administration, DOT.

ACTION: Final rule.

SUMMARY: This amendment adopts a new airworthiness directive (AD), applicable to certain EMBRAER Model EMB–145 and EMB–135 series airplanes, that requires replacement of the engine-driven hydraulic pump. This action is necessary to prevent engine oil leakage at the coupling seal between the hydraulic pump and the engine gearbox from causing low engine oil levels, which could lead to in-flight engine shutdown and consequent reduced controllability of the airplane. This action is intended to address the identified unsafe condition.

DATES: Effective August 10, 2005.

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of August 10, 2005.

ADDRESSES: The service information referenced in this AD may be obtained from Empresa Brasileira de Aeronautica S.A. (EMBRAER), P.O. Box 343–CEP 12.225, Sao Jose dos Campos–SP, Brazil. This information may be examined at the Federal Aviation Administration (FAA), Transport Airplane Directorate, Rules Docket, 1601 Lind Avenue, SW., Renton, Washington.

FOR FURTHER INFORMATION CONTACT:

Todd Thompson, Aerospace Engineer; International Branch, ANM–116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98055–4056; telephone (425) 227–1175; fax (425) 227–1149.

SUPPLEMENTARY INFORMATION:

A proposal to amend part 39 of the Federal Aviation Regulations (14 CFR part 39) to include an airworthiness directive (AD) that is applicable to certain EMBRAER Model EMB–145 and EMB–135 series airplanes was published in the **Federal Register** on April 27, 2004 (69 FR 22743). That action proposed to require replacement of the engine-driven hydraulic pump.

Explanation of New Relevant Service Information

The proposed AD refers to EMBRAER Service Bulletin 145–29–0018, Revision 03, dated December 2, 2003, as the appropriate source of service information for replacing the engine-driven hydraulic pump for Model EMB–145 and EMB–135 series airplanes. Since the issuance of that service bulletin, Embraer has issued Revision 04, dated March 16, 2005. Revision 04 of the service bulletin is essentially the same as Revision 03, but it removes a certain airplane from the in-service effectivity and adds two airplanes to the in-production effectivity. We have changed paragraph (a)(1) of this AD to refer to Revision 04 of the service bulletin as the appropriate source of service information for Model EMB–145 and EMB–135 series airplanes, and revised the applicability to refer to Revision 04 for those airplanes. In addition, we have added Revision 03 of the service bulletin to paragraph (d) of this AD to give credit for previously accomplishing the actions in accordance with that revision.

Comments

Interested persons have been afforded an opportunity to participate in the making of this amendment. Due consideration has been given to the comments received from a single commenter.

Request To Clarify Statement of Unsafe Condition

The commenter, the airplane manufacturer, asks that we clarify the statement of the unsafe condition as specified in the proposed AD. The

commenter suggests we add the word “engine” in front of the term “oil leakage” for clarification. We agree and have added the word “engine” to clarify the statement of the unsafe condition in the AD.

Extend Compliance Time Specified in Paragraph (c) of the Proposed AD

The commenter also asks that the compliance time of “as of the effective date of this AD” specified in paragraph (c) of the proposed AD be extended. The commenter states that it does not concur with accepting only the new part number (P/N) for installation as of the effective date of the AD. The commenter notes that this compliance time is not consistent with the period of 1,000 flight hours defined for hydraulic pump replacement, and may affect operators that may not have enough time to modify their spare parts. The commenter suggests the adoption of a period similar to the Brazilian airworthiness directive referenced in the proposed AD, which provides a compliance time of approximately two months for stock upgrade. The commenter proposes the following compliance time: “No later than 31 March 2004, modify all hydraulic pumps P/N 971808 held in stock, to the new P/N 971808 MOD A—Brazilian airworthiness directive date: 29 January 2004.”

We do not agree. We have determined that the compliance time specified in the AD will ensure an acceptable level of safety and allow the replacement to be done with no airplane out-of-service time during scheduled maintenance intervals for most affected operators. In developing the technical information on which every AD is based, we consider the availability of spare parts that the AD will require to be installed. We have not changed the AD in this regard.

Explanation of Change to Final Rule

In Table 1 of the proposed AD we referenced an incorrect number for EMBRAER Service Bulletin 145LEG–29–0001. We inadvertently referenced 145LEG–31–0001 instead of 145LEG–29–0001. We have corrected the error in this final rule.

Conclusion

After careful review of the available data, including the comments noted above, we have determined that air safety and the public interest require the

adoption of the rule with the changes described previously. These changes will neither increase the economic burden on any operator nor increase the scope of the AD.

Cost Impact

The FAA estimates that 548 airplanes of U.S. registry will be affected by this AD, that it will take approximately 4 work hours per airplane to accomplish the actions, and that the average labor rate is \$65 per work hour. The manufacturer will provide replacement parts at no cost. Based on these figures, the cost impact of the AD on U.S. operators is estimated to be \$142,480, or \$260 per airplane.

The cost impact figure discussed above is based on assumptions that no operator has yet accomplished any of the requirements of this AD action, and that no operator would accomplish those actions in the future if this AD were not adopted. The cost impact figures discussed in AD rulemaking actions represent only the time necessary to perform the specific actions actually required by the AD. These figures typically do not include incidental costs, such as the time required to gain access and close up, planning time, or time necessitated by other administrative actions.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Impact

The regulations adopted herein will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government. Therefore, it is determined that this final rule does not

have federalism implications under Executive Order 13132.

For the reasons discussed above, I certify that this action (1) is not a "significant regulatory action" under Executive Order 12866; (2) is not a "significant rule" under DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and (3) will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act. A final evaluation has been prepared for this action and it is contained in the Rules Docket. A copy of it may be obtained from the Rules Docket at the location provided under the caption **ADDRESSES**.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

Adoption of the Amendment

■ Accordingly, pursuant to the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

PART 39—AIRWORTHINESS DIRECTIVES

■ 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

■ 2. Section 39.13 is amended by adding the following new airworthiness directive:

2005-14 Empresa Brasileira De Aeronautica S.A. (Embraer):
Amendment 39-14180. Docket 2004-NM-37-AD.

Applicability: Model EMB-145 and EMB-135 series airplanes, certificated in any category, as listed in EMBRAER Service Bulletin 145-29-0018, Revision 04, dated March 16, 2005; and EMBRAER Service Bulletin 145LEG-29-0001, Revision 01, dated November 11, 2003.

Compliance: Required as indicated, unless accomplished previously.

To prevent engine oil leakage at the coupling seal between the hydraulic pump and the engine gearbox from causing low engine oil levels, which could lead to in-flight engine shutdown and consequent reduced controllability of the airplane, accomplish the following:

Service Bulletin References

(a) The term "service bulletin," as used in this AD, means the Accomplishment Instructions of the following service bulletins, as applicable:

(1) For Model EMB-145 and EMB-135 (except Model EMB-135BJ) series airplanes:

EMBRAER Service Bulletin 145-29-0018, Revision 04, dated March 16, 2005; and

(2) For Model EMB-135BJ series airplanes: EMBRAER Service Bulletin 145LEG-29-0001, Revision 01, dated November 11, 2003.

Note 1: EATON Service Bulletin 971808-29-02, dated May 1, 2001, has been incorporated into the EMBRAER service bulletins as an additional source of service information for accomplishing the modification of the hydraulic pump.

Replacement of Hydraulic Pump

(b) Within 1,000 flight hours after the effective date of this AD, replace the engine-driven hydraulic pump, part number (P/N) 971808, with a new or modified pump, P/N 971808 MOD A, in accordance with the Accomplishment Instructions of the applicable service bulletin.

Parts Installation

(c) As of the effective date of this AD, no person may install a hydraulic pump having P/N 971808 on any airplane, unless that pump has been modified and reidentified as P/N 971808 MOD A, per Part II of the Accomplishment Instructions of the applicable service bulletin.

Actions Accomplished Per Previous Issues of Service Bulletins

(d) Actions accomplished before the effective date of this AD, in accordance with the applicable service bulletin listed in Table 1 of this AD, are considered acceptable for compliance with the corresponding actions specified in this AD.

TABLE 1.—PREVIOUS ISSUES OF SERVICE BULLETINS

EMBRAER service bulletin	Revision and date
145-29-0018	Original Issue, June 6, 2002.
145-29-0018	Revision 01, October 9, 2002.
145-29-0018	Revision 02, August 25, 2003.
145-29-0018	Revision 03, December 2, 2003.
145LEG-29-0001	Original Issue, October 9, 2002.

Alternative Methods of Compliance

(e) In accordance with 14 CFR 39.19, the Manager, International Branch, ANM-116, FAA, Transport Airplane Directorate, is authorized to approve alternative methods of compliance for this AD.

Incorporation by Reference

(f) Unless otherwise specified in this AD, the actions must be done in accordance with EMBRAER Service Bulletin 145-29-0018, Revision 04, dated March 16, 2005; and EMBRAER Service Bulletin 145LEG-29-0001, Revision 01, dated November 11, 2003; as applicable. EMBRAER Service Bulletin 145-29-0018, Revision 04, dated March 16, 2005, contains the following list of effective pages:

Page No.	Revision level shown on page	Date shown on page
1-3	04	March 16, 2005.
4-14	03	December 2, 2003.

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. To get copies of this service information, contact Empresa Brasileira de Aeronautica S.A. (EMBRAER), PO Box 343-CEP 12.225, Sao Jose dos Campos-SP, Brazil. To inspect copies of this service information, go to the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or to the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Note 2: The subject of this AD is addressed in Brazilian airworthiness directive 2004-01-03, effective January 29, 2004.

Effective Date

(g) This amendment becomes effective on August 10, 2005.

Issued in Renton, Washington, on June 24, 2005.

Michael J. Kaszycki,

Acting Manager, Transport Airplane Directorate, Aircraft Certification Service.

[FR Doc. 05-13142 Filed 7-5-05; 8:45 am]

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2005-20474; Directorate Identifier 2004-NM-221-AD; Amendment 39-14178; AD 2005-14-01]

RIN 2120-AA64

Airworthiness Directives; Airbus Model A300 B2-203 and B4-203 Airplanes; Model A310-200 and -300 Series Airplanes; and Model A300 B4-600, B4-600R, and F4-600R Series Airplanes, and Model A300 C4-605R Variant F Airplanes (Collectively Called A300-600 Series Airplanes)

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: The FAA is adopting a new airworthiness directive (AD) for certain Airbus transport category airplanes. This AD requires an inspection to

determine if suspect part numbers (P/Ns) and serial numbers of certain Thales Avionics equipment are installed, and replacement of any suspect part with a modified part having a new P/N. This AD is prompted by reports of loss of the digital distance radio magnetic indicator and subsequent loss of both very high frequency omnidirectional range indicators, both distance measuring equipment, and one centralized maintenance computer. We are issuing this AD to prevent loss of navigation indications on the primary flight display requiring continuation of the flight on emergency instruments, which could lead to reduced ability to control the airplane in adverse conditions.

DATES: This AD becomes effective August 10, 2005.

The incorporation by reference of certain publications listed in the AD is approved by the Director of the Federal Register as of August 10, 2005.

ADDRESSES: For service information identified in this AD, contact Airbus, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France.

Docket: The AD docket contains the proposed AD, comments, and any final disposition. You can examine the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Management Facility office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility office (telephone (800) 647-5227) is located on the plaza level of the Nassif Building at the U.S. Department of Transportation, 400 Seventh Street SW., room PL-401, Washington, DC. This docket number is FAA-2005-20474; the directorate identifier for this docket is 2004-NM-221-AD.

FOR FURTHER INFORMATION CONTACT: Tim Backman, Aerospace Engineer, International Branch, ANM-116, FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-2797; fax (425) 227-1149.

SUPPLEMENTARY INFORMATION: The FAA proposed to amend 14 CFR part 39 with an AD for certain Airbus Model A300 B2-203 and B4-203 airplanes; Model A310-200 and -300 series airplanes; and Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model C4-605R Variant F airplanes (collectively called A300-600 series airplanes). That action, published in the **Federal Register** on March 3, 2005 (70 FR 10339), proposed to require an inspection to determine if suspect part numbers (P/Ns) and serial numbers of certain Thales Avionics equipment are installed, and replacement of any

suspect part with a modified part having a new P/N.

Comments

We provided the public the opportunity to participate in the development of this AD. We have considered the comment that has been submitted on the proposed AD.

Request To Expand Applicability

One commenter, the airplane manufacturer, notes that French airworthiness directive F-2004-037, issued March 17, 2004, which also addresses the subject of the proposed AD, applies to Airbus Model A300 B4-220 airplanes, as well as the other airplane models identified in the proposed AD. The commenter points out that the proposed AD does not mention Airbus Model A300 B4-220 airplanes.

We agree with the commenter's statements, but find that we do not need to change the AD in this regard. Airbus Model A300 B4-220 airplanes are not listed on the U.S. type certificate data sheet; thus, we do not need to issue an AD against those airplanes.

Explanation of Change to Applicability

We have revised the applicability of this AD to identify model designations as published in the most recent type certificate data sheet for the affected models.

Conclusion

We have carefully reviewed the available data, including the comment that was submitted, and determined that air safety and the public interest require adopting the AD with the change described previously. We have determined that this change will neither increase the economic burden on any operator nor increase the scope of the AD.

Costs of Compliance

This AD will affect about 158 Model A310-200 and -300 series airplanes, and Model A300-600 series airplanes of U.S. registry. The required inspection will take about 1 work hour per airplane, at an average labor rate of \$65 per work hour. Based on these figures, the estimated cost of this AD for these U.S. operators is \$10,270, or \$65 per airplane.

Currently, there are no affected Model A300 B2-203 and B4-203 airplanes on the U.S. Register. However, if an affected airplane is imported and placed on the U.S. Register in the future, the required actions will take about 1 work hour, at an average labor rate of \$65 per work hour. Based on these figures, we