

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. 2003-NE-41-AD]

RIN 2120-AA64

Airworthiness Directives; Pratt & Whitney Canada JT15D-1, -1A, and -1B Turbofan Engines

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: The FAA proposes to adopt a new airworthiness directive (AD) for Pratt & Whitney Canada (PWC) JT15D-1, -1A, and -1B turbofan engines with certain impellers part number (P/N) 3020365. This proposed AD would require a one-time borescope inspection of the rear face of certain impellers for evidence of a machined groove or step, and repair or replacement of the impeller if a groove or step is found. This proposed AD is prompted by three reports of uncontained failure of the impeller. We are proposing this AD to prevent uncontained failure of the impeller and possible damage to the airplane.

DATES: We must receive any comments on this proposed AD by January 12, 2004.

ADDRESSES: Use one of the following addresses to submit comments on this proposed AD:

- By mail: Federal Aviation Administration (FAA), New England Region, Office of the Regional Counsel, Attention: Rules Docket No. 2003-NE-41-AD, 12 New England Executive Park, Burlington, MA 01803-5299.

- By fax: (781) 238-7055.

- By e-mail:

9_ane_adcomment@faa.gov.

You can get the service information identified in this proposed AD from Pratt & Whitney Canada, 1000 Marie-Victorin, Longueuil, Quebec, Canada J4G1A1, telephone (800) 268-8000; fax (450) 647-2888. You may examine the AD docket, by appointment, at the FAA, New England Region, Office of the Regional Counsel, 12 New England Executive Park, Burlington, MA.

FOR FURTHER INFORMATION CONTACT: Ian Dargin, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803-5299; telephone (781) 238-7178; fax (781) 238-7199.

SUPPLEMENTARY INFORMATION:**Comments Invited**

We invite you to submit any written relevant data, views, or arguments regarding this proposal. Send your comments to an address listed under **ADDRESSES**. Include "AD Docket No. 2003-NE-41-AD" in the subject line of your comments. If you want us to acknowledge receipt of your mailed comments, send us a self-addressed, stamped postcard with the docket number written on it; we will date-stamp your postcard and mail it back to you. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the proposed AD. If a person contacts us verbally, and that contact relates to a substantive part of this proposed AD, we will summarize the contact and place the summary in the docket. We will consider all comments received by the closing date and may amend the proposed AD in light of those comments.

We are reviewing the writing style we currently use in regulatory documents. We are interested in your comments on whether the style of this document is clear, and your suggestions to improve the clarity of our communications that affect you. You may get more information about plain language at <http://www.faa.gov/language> and <http://www.plainlanguage.gov>.

Examining the AD Docket

You may examine the AD Docket (including any comments and service information), by appointment, between 8 a.m. and 4:30 p.m., Monday through Friday, except Federal holidays. See **ADDRESSES** for the location.

Discussion

Transport Canada (TC), which is the airworthiness authority for Canada, recently notified the FAA that an unsafe condition may exist on PWC JT15D-1, -1A, and -1B turbofan engines with certain impellers, P/N 3020365 installed. TC advises that there have been three uncontained failures of impellers, P/N 3020365. TC advises that some impellers, P/N 3020365, were manufactured with a machined groove or a step on the rear face. Incidents of impeller fracture and uncontained liberation of high-energy fragments have occurred. The National Transportation Safety Board has investigated and determined that machine marks on the back face of the impeller were the cause of these failures. An impeller with this machined groove or step on the rear face could result in an uncontained failure of the impeller.

Relevant Service Information

We have reviewed and approved the technical contents of Pratt & Whitney Canada Service Bulletin (SB) No. JT15D-72-7590, dated May 23, 2003. That SB describes procedures for borescope inspecting impellers, P/N 3020365, that were not previously inspected using PWC overhaul manual Revision 14, and that are not listed in Appendix A of the SB No. JT15D-72-7590, dated May 23, 2003. Transport Canada classified this SB as mandatory and issued airworthiness directive CF-2003-17, dated June 23, 2003, in order to ensure the airworthiness of these PWC engines in Canada.

FAA's Determination and Requirements of the Proposed AD

These PWC JT15D-1, -1A, and -1B turbofan engines, manufactured in Canada, are type-certificated for operation in the United States under the provisions of section 21.29 of the Federal Aviation Regulations (14 CFR 21.29) and the applicable bilateral airworthiness agreement. Pursuant to this bilateral airworthiness agreement, Transport Canada has kept us informed of the situation described above. We have examined Transport Canada's findings, reviewed all available information, and determined that AD action is necessary for products of this type design that are certificated for operation in the United States. Therefore, we are proposing this AD, which would require a one-time borescope inspection of the rear face of certain impellers for evidence of a machined groove or step, and repair or replacement of the impeller, if a groove or step is found. The proposed AD would require you to use the service information described previously to perform these actions.

Changes to 14 CFR Part 39—Effect on the Proposed AD

On July 10, 2002, we issued a new version of 14 CFR part 39 (67 FR 47998, July 22, 2002), which governs the FAA's AD system. This regulation now includes material that relates to altered products, special flight permits, and alternative methods of compliance. This material previously was included in each individual AD. Since this material is included in 14 CFR part 39, we will not include it in future AD actions.

Costs of Compliance

There are about 1,300 PWC JT15D-1, -1A, and -1B turbofan engines of the affected design in the worldwide fleet. We estimate that 740 of the PWC engines installed on airplanes of U.S. registry would be affected by this

proposed AD. We also estimate that it would take about 2 work hours per engine to perform the proposed inspection at a hot section inspection interval, and 30 work hours per engine to replace impellers found with a groove or a step in the rear face at shop visit. The average labor rate is \$65 per work hour. Required parts would cost about \$55,427 per engine. Based on these figures, we estimate that for impellers inspected at hot section inspections, the total labor cost of the proposed AD to U.S. operators is \$96,200. On the basis of 100 percent replacement, the total labor cost of the proposed AD to U.S. operators is estimated to be \$1,443,000 and the parts replacement cost is estimated to be \$41,015,980 for a total replacement cost of \$42,555,180.

Regulatory Findings

We have determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would 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.

For the reasons discussed above, I certify that the proposed regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;
2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. Would not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this proposal and placed it in the AD Docket. You may get a copy of this summary by sending a request to us at the address listed under **ADDRESSES**. Include "AD Docket No. 2003-NE-41-AD" in your request.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Safety.

The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the Federal Aviation Administration proposes to amend 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. The FAA amends § 39.13 by adding the following new airworthiness directive:

Pratt & Whitney Canada: Docket No. 2003-NE-41-AD.

Comments Due Date

(a) The Federal Aviation Administration must receive comments on this airworthiness directive (AD) action by January 12, 2004.

Affected ADs

- (b) None.

Applicability

(c) This AD applies to Pratt & Whitney Canada (PWC) JT15D-1, -1A, and -1B turbofan engines with certain impellers, part number (P/N) 3020365, installed. These engines are installed on, but not limited to, Cessna Aircraft Company Models 500 and 501 airplanes.

Unsafe Condition

(d) This AD is prompted by three reports of uncontained failure of the impeller. We are issuing this AD to prevent uncontained failure of the impeller and possible damage to the airplane.

Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

(f) If you have already inspected the impeller, P/N 3020365, using PWC overhaul manual Revision 14, or if the impeller is listed in Appendix A of PWC (SB) No. JT15D-72-7590, dated May 23, 2003, no further action is required.

One-Time Borescope Inspection

(g) Perform a one-time borescope inspection of the impeller rear face for evidence of a machined groove or step, using paragraph 3.B. of Accomplishment Instructions of PWC SB No. JT15D-72-7590, dated May 23, 2003; as follows:

- (1) For engines with 5,000 or more cycles-since-new (CSN) on the effective date of this AD, inspect within 250 cycles-in-service (CIS) after the effective date of this AD.
- (2) For engines with fewer than 5,000 CSN on the effective date of this AD, inspect before reaching 5,250 CSN.

Disposition of Inspected Impellers

(h) Before further flight, repair or replace impellers that do not pass the inspection requirements of paragraph 3.B.(8) of Accomplishment Instructions of PWC SB No. JT15D-72-7590, dated May 23, 2003.

Alternative Methods of Compliance

(i) The Manager, Engine Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

Material Incorporated by Reference

(j) You must use PWC SB No. JT15D-72-7590, dated May 23, 2003, to perform the one-time inspection required by this AD.

Approval of incorporation by reference from the Office of the Federal Register is pending.

Related Information

(k) Transport Canada airworthiness directive CF-2003-17, dated June 23, 2003, also addresses the subject of this AD.

Issued in Burlington, Massachusetts, on November 6, 2003.

Robert Guyotte,

Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.

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DEPARTMENT OF STATE

22 CFR Parts 96 and 98

[Public Notice: 4537]

RIN 1400-AA-88 (Part 96); 1400-AB-69 (Part 98)

Hague Convention on Intercountry Adoption; Intercountry Adoption Act of 2000; Accreditation of Agencies; Approval of Persons; Preservation of Convention Records; Extension of Comment Period

AGENCY: Department of State.

ACTION: Extension of comment period.

SUMMARY: The Department of State (the Department) is extending by 30 days the public comment period for the proposed rules on the Accreditation of Agencies and Approval of Persons under the Hague Convention on Intercountry Adoption (the Convention) and the Intercountry Adoption Act of 2000 (the IAA) and on the Preservation of Convention Records. The proposed rules were published in part II of the **Federal Register** on September 15, 2003 (68 FR 54064; 68 FR 54119). In response to public requests for additional time, the Department is extending the public comment period closing date from November 14, 2003, to December 15, 2003, for parts 96 and 98.

DATES: Comments must be received on or before December 15, 2003.

ADDRESSES: Commenters may send hard copy submissions or comments in electronic format. Commenters sending only hard copies must send an original and two copies referencing docket number State/AR-01/96 or State/AR-01/98 to: U.S. Department of State, CA/OCS/PRI, Adoption Regulations Docket Room, SA-29, 2201 C Street, NW., Washington, DC 20520. Hard copy comments may also be sent by overnight courier services to: U.S. Department of State, CA/OCS/PRI, Adoption Regulations Docket Room, 2201 C Street, NW., Washington, DC 20520. Do