

**ADDRESSES.** Include "AD Docket No. 2003-NE-25-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 rule that might suggest a need to modify it. If a person contacts us verbally, and that contact relates to a substantive part of this 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 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 with you. You may get more information about plain language at <http://www.faa.gov/language> and <http://www.plainlanguage.gov>.

### Regulatory Findings

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

For the reasons discussed above, I certify that the 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. 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.

We prepared a summary of the costs to comply with this AD 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-25-AD" in your request.

### List of Subjects in 14 CFR Part 39

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

### Adoption of the Amendment

- Accordingly, under 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. The FAA amends § 39.13 by adding the following new airworthiness directive:

**2003-16-10 Pratt & Whitney Canada:**  
Amendment 39-13263. Docket No. 2003-NE-25-AD.

#### Effective Date

- (a) This airworthiness directive (AD) becomes effective August 29, 2003.

#### Affected ADs

- (b) None.

#### Applicability

- (c) This AD is applicable to Pratt & Whitney Canada (PWC) PW206A and PW206E turboshaft engines. These engines are installed on, but not limited to MD Helicopters Inc. Model MD-900 helicopters.

#### Unsafe Condition

- (d) This AD is prompted by reports of engine shutdowns and emergency landings due to severe vibration and drops in engine torque, and an increase in internal engine temperature, triggering in-flight engine fire warnings. We are issuing this AD to prevent turbine blade axial shift, leading to high levels of vibration, loss of engine torque, in-flight engine shutdown, and possible uncontained engine failure.

#### 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.

#### Initial Sequence of Borescope Inspections

- (f) Perform an initial sequence of borescope inspections of compressor turbine blades and power turbine blades for blade axial shift within the turbine disks. Use paragraph 3. of Accomplishment Instructions of PWC Alert Service Bulletin (ASB) No. PW200-72-A28242, Revision 1, dated October 2, 2002, for the borescope inspection. Do the inspections at the following times:

- (1) Within 25 flight hours accumulated or 30 days after the effective date of this AD, whichever occurs earlier.
- (2) After 30 flight hours, but before 50 flight hours accumulated since inspection of paragraph (f)(1) of this AD.
- (3) After 80 flight hours, but before 100 flight hours accumulated since inspection of paragraph (f)(1) of this AD.
- (4) After 180 flight hours, but before 200 flight hours accumulated since inspection of paragraph (f)(1) of this AD.

### Repetitive Borescope Inspections

- (g) Thereafter, perform repetitive borescope inspections at intervals of not less than 280 nor more than 300 flight hours since-last-inspection. Use paragraph 3. of Accomplishment Instructions of PWC ASB No. PW200-72-A28242, Revision 1, dated October 2, 2002, for the borescope inspections.

#### Disposition

- (h) If any blade shift is found, remove engine from service before further flight and perform rivet and rotor air seal replacements, as specified in paragraphs (j)(1) and (j)(2) of this AD, to return the engine to service.

- (i) If blade shift is suspected, confirm the blade shift with the appropriate engine manufacturer service representative before further flight. Remove engine from service if shift is confirmed, and perform rivet and rotor air seal replacements, as specified in paragraphs (j)(1) and (j)(2) of this AD, to return the engine to service.

#### Terminating Action

- (j) At the next engine shop visit for any reason, or at the next engine overhaul, whichever occurs first, but before December 31, 2009, do the following:

- (1) Replace the compressor turbine blade retaining rivets, the No. 3 bearing rotor air seal, and the No. 4 bearing front rotor air seal. Use paragraph 3. Accomplishment Instructions of Service Bulletin (SB) No. PW200-72-28069, Revision 5, dated February 10, 2003.

- (2) Replace the power turbine blade retaining rivets. Use paragraph 3. Accomplishment Instructions of SB No. PW200-72-28239, Revision 2, dated February 10, 2003.

#### Previous Credit

- (k) Previous credit is allowed for terminating action in paragraph (j)(1) and (j)(2) of this AD that was done in accordance with Accomplishment Instructions of SB No. PW200-72-28069, Revision 4, dated December 27, 2000, and Accomplishment Instructions of SB No. PW200-72-28239, dated September 5, 2002, or Revision 1, dated December 5, 2002, before the effective date of this AD.

- (l) Completing the actions in paragraphs (j)(1) and (j)(2) of this AD terminates all inspection requirements of this AD.

#### Alternative Methods of Compliance (AMOCs)

- (m) You must request AMOCs as specified in 14 CFR part 39.19. All AMOCs must be approved by the Manager, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803-5299.

#### Material Incorporated by Reference

- (n) You must use the following Pratt & Whitney Canada Service Bulletins and Alert Service Bulletin to perform the inspections and replacement actions required by this AD. The Director of the Federal Register approved the incorporation by reference of the documents listed in Table 1 of this AD in accordance with 5 U.S.C. 552(a) and 1 CFR