

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 this AD:

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 regulatory evaluation of the estimated costs to comply with this AD and placed it in the AD docket.

#### 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 FAA amends 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 AD:

**2007-24-10 Turbomeca:** Amendment 39-15276.; Docket No. FAA-2007-28125, Directorate Identifier 2007-NE-17-AD.

#### Effective Date

(a) This airworthiness directive (AD) becomes effective December 14, 2007.

#### Affected ADs

(b) None.

#### Applicability

(c) This AD applies to Turbomeca Arriel 2S1 and 2S2 turboshaft engines, all serial numbers that have a hydro mechanical unit (HMU) installed that was manufactured before December 8, 2006, or repaired/overhauled before December 8, 2006. These engines are installed on, but not limited to, Sikorsky S-76C helicopters.

#### Reason

(d) European Aviation Safety Agency (EASA) AD No. 2007-0063, dated March 3, 2007, states:

During assembly of a new HP/LP fuel pump, the drain screw on the fuel filter unit failed when it was tightened to the torque value specified in the assembly schedule (12 Nm). Investigation of the screw showed that it was fully conforming to its specification,

in terms of both dimensions and material. The mechanical calculations show, however, that a torque value of 12 Nm is too high for this screw, exceeding the elastic limit of the material. Failure of the affected screw could cause a fuel leak, resulting in an engine flame-out or engine fire.

#### Actions and Compliance

(e) Unless already done, within 30 HMU operating hours or 45 days after the effective date of this AD, whichever occurs first, replace the fuel filter drain screw with a new one and tighten it to an effective torque of 6.5 Nm, using Turbomeca Mandatory Service Bulletin (MSB) No. 292 73 2824, dated February 1, 2007.

#### FAA AD Differences

(f) This AD differs from the EASA AD and/or service information as follows:

(1) EASA AD No. 2007-0063 requires compliance with the AD within 30 HMU operating hours, but not later than 15 April 2007, whichever occurs first after the effective date of that AD.

(2) This AD, written later, requires compliance within 30 HMU operating hours or 45 days after the effective date of this AD, whichever occurs first.

#### Alternative Methods of Compliance (AMOCs)

(g) The Manager, Engine Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19.

#### Related Information

(h) Refer to EASA AD 2007-0063, dated March 8, 2007, for related information.

(i) Contact Christopher Spinney, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; e-mail: [Christopher.spinney@faa.gov](mailto:Christopher.spinney@faa.gov); telephone (781) 238-7175; fax (781) 238-7199, for more information about this AD.

#### Material Incorporated by Reference

(j) You must use Turbomeca Mandatory Service Bulletin No. 292 73 2824, dated February 1, 2007, to do the actions required by this AD.

(k) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(l) For service information identified in this AD, contact: Turbomeca, 40220 Tarnos, France; telephone 33 05 59 74 40 00, fax 33 05 59 74 45 15.

(m) You may review service information copies at the FAA, New England Region, 12 New England Executive Park, Burlington, MA; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on November 20, 2007.

**Peter A. White,**

*Assistant Manager, Engine and Propeller Directorate, Aircraft Certification Service.*

[FR Doc. E7-23031 Filed 11-28-07; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2007-28656; Directorate Identifier 2007-NE-31-AD; Amendment 39-15280; AD 2007-24-14]

**RIN 2120-AA64**

#### Airworthiness Directives; Hartzell Propeller Inc. Model HC-E5N-3( ), HC-E5N-3( ) (L), and HC-E5B-5( ) Propellers

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

**ACTION:** Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Hartzell Propeller Inc. Model HC-E5N-3( ), HC-E5N-3( ) (L), and HC-E5B-5( ) propellers. This AD requires a onetime eddy current inspection of the propeller hub mounting bolt holes and replacement of the propeller hub if cracked. This AD results from the discovery of a five-bladed propeller hub with a large crack on the mounting flange of the hub. We are issuing this AD to prevent propeller hub failure, blade separation, damage to the airplane, and possible loss of airplane control.

**DATES:** This AD becomes effective December 14, 2007. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of December 14, 2007.

We must receive any comments on this AD by January 28, 2008.

**ADDRESSES:** Use one of the following addresses to comment on this AD:

• **Federal eRulemaking Portal:** Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.

• **Mail:** U.S. Docket Management Facility, Department of Transportation, 1200 New Jersey Avenue, SE., West Building Ground Floor, Room W12-140, Washington, DC 20590-0001.

• **Hand Delivery:** Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

- Fax: (202) 493-2251.

Contact Hartzell Propeller Inc., Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information identified in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; e-mail: [timothy.smyth@faa.gov](mailto:timothy.smyth@faa.gov); telephone (847) 294-7132; fax (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** Recently, a Piaggio P-180 airplane experienced a significant vibration in flight, from one of the propellers. The Hartzell model HC-E5N-3( ) (L) propeller assembly was removed and examined. Inspection of the propeller assembly revealed a significant crack in the propeller hub. Although the exact cause of the crack is unknown, a major factor appears to be a pre-existing defect in one of the propeller mounting bolt holes. This defect may cause a crack to grow to catastrophic failure. Operating the propeller in an rpm range restricted by the airplane operating limitations may accelerate the hub crack. Acceleration of the propeller hub crack may also be due to operation beyond the airplane's operating limitations when in ground idle without the propellers feathered, or used in maximum reverse. We determined that the hubs at risk are in two populations. The first population is those hubs with unknown hours, or with between 1,800 and 4,500 hours time-in-service (TIS). The second population is all other hubs with fewer than 1,800 or more than 4,500 hours TIS. This condition, if not corrected, could result in propeller hub cracks, blade separation, damage to the airplane, and possible loss of airplane control.

#### Relevant Service Information

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Service Bulletin (SB) No. HC-SB-61-295, Revision 2, dated August 1, 2007, that describes procedures for a onetime eddy current inspection of the propeller hub mounting bolt holes and replacement of the propeller hub if cracked.

#### FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. Model HC-E5N-3( ), HC-E5N-3( ) (L), and HC-E5B-5( ) propellers of the same type design. For that reason, we are

issuing this AD to prevent propeller hub failure, blade separation, damage to the airplane, and possible loss of airplane control. You must use the service information described previously to perform the actions required by this AD.

#### FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

#### Comments Invited

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under **ADDRESSES**. Include "AD Docket No. FAA-2007-28656; Directorate Identifier 2007-NE-31-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the Federal Docket Management System Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78).

#### Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone (800) 647-5527) is the same as the Mail address provided in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

#### 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 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 this AD:

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 at the address listed under **ADDRESSES**.

#### List of Subjects in 14 CFR Part 39

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

#### Adoption of the Amendment

■ 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:

**2007-24-14 Hartzell Propeller Inc.:**  
Amendment 39-15280. Docket No. FAA-2007-28656; Directorate Identifier 2007-NE-31-AD.

**Effective Date**

(a) This airworthiness directive (AD) becomes effective December 14, 2007.

**Affected ADs**

(b) None.

**Applicability**

(c) This AD applies to Hartzell Propeller Inc. model HC-E5N-3( ) (L), HC-E5N-3( ) (L), and HC-E5B-5( ) propellers. Hartzell Propeller Inc. model HC-E5N-3( ) and HC-E5N-3( ) (L) propellers are installed on, but not limited to, Piaggio P-180 Avanti airplanes with propeller serial numbers (SNs) up to and including HF229 or KU92, except those SNs listed in the following Table 1. Hartzell Propeller Inc. HC-E5B( ) propellers are installed on Grumman S-2 Tracker airplanes with propeller SNs up to and including HN14.

**TABLE 1.—PROPELLER SNS NOT AFFECTED BY THIS AD**

**HC-E5N-3( ) (L):**

HF4, HF5, HF6, HF7, HF18, HF20, HF26, HF28, HF30, HF34, HF45, HF50, HF52, HF74, HF76, HF87, HF93, HF94, HF97, HF101, HF109, HF121, HF122, HF126, HF130, HF133, HF135, HF137, HF140, HF147, HF149, HF152, HF153, HF156, HF158, HF164, HF165, HF179, HF183, HF184, HF188, HF190, HF195, HF205, HF213, HF215, HF225, HF226, HF230, HF231, HF232, HF233, HF234, HF235.

**HC-E5N-3( ):**

KU1, KU3, KU14, KU15, KU16, KU19, KU34, KU41, KU45, KU51, KU57, KU69, KU74, KU79, KU84, KU86, KU87, KU89, KU93, KU94, KU95, KU96, KU103.

**HC-E5B-5( ):**

HN15.

**Unsafe Condition**

(d) This AD results from the discovery of a five-bladed propeller hub with a large crack on the mounting flange of the hub. We determined that the hubs at risk are in two populations. The first population is those hubs with unknown hours, or with between 1,800 and 4,500 hours time-in-service (TIS). The second population is all other hubs with fewer than 1,800 or more than 4,500 hours TIS. We are issuing this AD to prevent propeller hub failure, blade separation,

damage to the airplane, and possible loss of airplane control.

**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.

**Propeller Hub Inspection**

(f) Using Hartzell Service Bulletin (SB) HC-SB-61-295, Revision 2, dated August 1, 2007, do a onetime eddy current inspection of the propeller mounting holes and replace the propeller hub if any crack is found. Inspect as follows:

(1) If propeller hub TIS is unknown, or more than 1,800 hours but fewer than 4,500 hours, inspect the mounting holes within 12 calendar months, or within the next 150 hours TIS, or at the next scheduled airframe "A" check inspection.

(2) If the propeller hub TIS is 1,800 hours or fewer, or 4,500 hours or more, inspect the mounting holes within 12 calendar months, or within 600 hours TIS, or at the next scheduled airframe "B" check inspection, whichever comes first.

**Alternative Methods of Compliance**

(g) The Manager, Chicago Aircraft 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.

**Related Information**

(h) Contact Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; e-mail: [timothy.smyth@faa.gov](mailto:timothy.smyth@faa.gov); telephone (847) 294-7132; fax (847) 294-7834, for more information about this AD.

**Material Incorporated by Reference**

(i) You must use Hartzell Service Bulletin HC-SB-61-295, Revision 2, dated August 1, 2007, to perform the inspection required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc., Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information. You may review copies at the FAA, New England Region, 12 New England Executive Park, Burlington, MA 01803; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on November 21, 2007.

**Peter A. White,**

*Assistant Manager, Engine and Propeller Directorate, Aircraft Certification Service.*

[FR Doc. E7-23119 Filed 11-28-07; 8:45 am]

**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

[Docket No. FAA-2007-0250; Directorate Identifier 2007-CE-091-AD; Amendment 39-15279; AD 2007-24-13]

RIN 2120-AA64

**Airworthiness Directives; Cirrus Design Corporation Model SR22 Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for certain Cirrus Design Corporation (Cirrus) Model SR22 airplanes. This AD requires you to install a drain hole in the left and right outboard wing tips. This AD results from reports of pilots' inability to move the aileron control without using excessive force when flying in freezing conditions. Moisture from a prior rain shower entered through a gap at the interface of the left and right outboard wing tips and wing structure. The moisture traveled along the aft wing shear web, accumulated below the aileron control pulley, and froze at an altitude with an outside air temperature below freezing. When this moisture is exposed to freezing conditions, operation of the aileron control pulley is impaired. We are issuing this AD to prevent moisture from accumulating along the wing shear web where it may freeze in certain conditions. This condition could result in operational failure of the aileron control pulley, which could lead to loss of control.

**DATES:** This AD becomes effective on December 4, 2007.

On December 4, 2007, the Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD.

We must receive any comments on this AD by January 28, 2008.

**ADDRESSES:** Use one of the following addresses to comment on this AD.

- *Federal eRulemaking Portal:* Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.

- *Fax:* (202) 493-2251.

- *Mail:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC 20590.

- *Hand Delivery:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room