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## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2012-0279; Directorate Identifier 2012-CE-007-AD; Amendment 39-17073; AD 2012-11-10]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Alpha Aviation Concept Limited (Type Certificate Previously Held by Alpha Aviation Design Limited) Airplanes**

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

**ACTION:** Final rule.

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**SUMMARY:** We are adopting a new airworthiness directive (AD) for Alpha Aviation Concept Limited Model R2160 Airplanes. This AD results from mandatory continuing airworthiness information (MCAI) issued by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as oil lines fitted to affected aircraft are not fire resistant. We are issuing this AD to require actions to address the unsafe condition on these products.

**DATES:** This AD is effective July 12, 2012.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in the AD as of July 12, 2012.

**ADDRESSES:** You may examine the AD docket on the Internet at <http://www.regulations.gov> or in person at Document Management Facility, U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.

For service information identified in this AD, contact Alpha Aviation Concept Limited, Ingram Road, Hamilton Airport, RD 2, Hamilton 2021, New Zealand; telephone: 011 64 7 843 7070; fax: 011 64 7843 8040; email: [customer.support@alphaaviation.co.nz](mailto:customer.support@alphaaviation.co.nz); Internet: <http://www.alphaaviation.co.nz>. You may review copies of the referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329 4148.

**FOR FURTHER INFORMATION CONTACT:** Karl Schletzbaum, Aerospace Engineer, FAA, Small Airplane Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4146; fax: (816) 329-4090; email: karl.schletzbaum@faa.gov.

## **SUPPLEMENTARY INFORMATION:**

### **Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to the specified products. That NPRM was published in the Federal Register on March 19, 2012 (77 FR 15980). That NPRM proposed to correct an unsafe condition for the specified products. The MCAI states:

It has been determined that the oil lines fitted to affected aircraft are not fire resistant and not compliant with the requirements in FAR 23.1183. To correct this unsafe condition the Civil Aviation Authority of New Zealand issued DCA/R2000/34 requiring the replacement of oil lines with fire resistant lines. Since the issue of that AD it has been determined that the oil transmitter hoses are also not compliant with FAR 23.1183. DCA/R2000/40 retains the requirements in superseded DCA/R2000/34. The AD requirement expanded to include the replacement of the oil pressure transducer hoses.

### **Comments**

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM or on the determination of the cost to the public.

### **Conclusion**

We reviewed the relevant data and determined that air safety and the public interest require adopting the AD as proposed except for minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM (77 FR 15980, March 19, 2012) for correcting the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM (77 FR 15980, March 19, 2012).

### **Costs of Compliance**

We estimate that this AD will affect 10 products of U.S. registry. We also estimate that it would take about 4 work-hours per product to comply with the basic requirements of this AD. The average labor rate is \$85 per work-hour. Required parts would cost about \$510 per product.

Based on these figures, we estimate the cost of the AD on U.S. operators to be \$8,500, or \$850 per product.

### **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 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 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),
- (3) Will not affect intrastate aviation in Alaska, and
- (4) 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.

### **Examining the AD Docket**

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

### **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:



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**2012-11-10 Alpha Aviation Concept Limited:** Amendment 39-17073; Docket No. FAA-2012-0279; Directorate Identifier 2012-CE-007-AD.

**(a) Effective Date**

This airworthiness directive (AD) becomes effective July 12, 2012.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Alpha Aviation Concept Limited Model R2160 airplanes, serial numbers 001 through 378, certificated in any category.

**(d) Subject**

Air Transport Association of America (ATA) Code 79: Engine Oil.

**(e) Reason**

This AD was prompted by a determination that the oil lines and the oil pressure transducer hose fitted to affected aircraft are not fire resistant. We are issuing this AD to detect and replace non-fire resistant oil lines, which, if not corrected, could lead to an inflight fire.

**(f) Actions and Compliance**

Unless already done, do the following actions:

(1) Within 50 hours time-in-service (TIS) after July 12, 2012 (the effective date of this AD), replace the oil hose lines (part number (P/N) 41-23-56-000, 53-11-10-000, 53-20-13-000, 53-20-14-000, 53-34-10-010, 53-18-02-030, 53-21-14-000, or 53-22-01-000) following Apex Aircraft Service Bulletin No. 020310, dated June 3, 2002, and replace the oil pressure transducer hose and associated hardware following Alpha Aviation Service Bulletin AA-SB-79-001, Revision 0, dated February 2012.

(2) As of July 12, 2012 (the effective date of this AD), do not install any oil hose lines with P/N 41-23-56-000, 53-11-10-000, 53-20-13-000, 53-20-14-000, 53-34-10-010, 53-18-02-030, 53-21-14-000, or 53-22-01-000 on the affected aircraft.

**(g) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Standards Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to ATTN: Karl Schletzbaum, Aerospace Engineer, FAA, Small Airplane

Directorate, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329-4146; fax: (816) 329-4090; email: karl.schletzbaum@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) Reporting Requirements: For any reporting requirement in this AD, a federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2120-0056. Public reporting for this collection of information is estimated to be approximately 5 minutes per response, including the time for reviewing instructions, completing and reviewing the collection of information. All responses to this collection of information are mandatory. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW., Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.

#### **(h) Related Information**

Refer to MCAI Civil Aviation Authority of New Zealand AD DCA/R2000/40, dated February 23, 2012; Apex Aircraft Service Bulletin No. 020310, dated June 3, 2002; and Alpha Aviation Service Bulletin AA-SB-79-001, Revision 0, dated February 2012, for related information. For service information related to this AD, contact Alpha Aviation Concept Limited, Ingram Road, Hamilton Airport, RD 2, Hamilton 2021, New Zealand; telephone: 011 64 7 843 7070; fax: 011 64 7843 8040; email: customer.support@alphaaviation.co.nz; Internet: <http://www.alphaaviation.co.nz>. You may review copies of the referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

#### **(i) Material Incorporated by Reference**

(1) You must use the following service information to do the actions required by this AD, unless the AD specifies otherwise. The Director of the Federal Register approved the incorporation by reference (IBR) under 5 U.S.C. 552(a) and 1 CFR part 51:

(i) Apex Aircraft Service Bulletin No. 020310, dated June 3, 2002; and

(ii) Alpha Aviation Service Bulletin AA-SB-79-001, Revision 0, dated February 2012.

(2) For service information identified in this AD, contact Alpha Aviation Concept Limited, Ingram Road, Hamilton Airport, RD 2, Hamilton 2021, New Zealand; telephone: 011 64 7 843 7070; fax: 011 64 7843 8040; email: customer.support@alphaaviation.co.nz; Internet: <http://www.alphaaviation.co.nz>.

(3) You may review copies of the service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329-4148.

(4) You may also review copies of the service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at an NARA facility, call 202-741-6030, or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Issued in Kansas City, Missouri, on May 29, 2012.  
Earl Lawrence,  
Manager, Small Airplane Directorate,  
Aircraft Certification Service.