



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

**Transport Airplane Directorate  
Los Angeles Aircraft  
Certification Office**

3960 Paramount Boulevard  
Lakewood, California 90712-4137

April 12, 2011

In reply refer to: 120L-11-194

Robinson Helicopter Company  
ATTN.: Mr. Pete Riedl  
2901 Airport Drive  
Torrance, CA 90505

References: 1) Robinson Helicopter Company (RHC) Letter, dated April 1, 2011  
2) RHC R44 Service Letter, SL-37, dated June 18, 2010

Dear Mr. Riedl:

Subject: Approval of Alternative Method of Compliance (AMOC) to AD 2007-26-12

The Federal Aviation Administration (FAA) received your letter, reference 1, requesting an AMOC to AD 2007-26-12 to relieve the requirements of paragraphs (a), (b), (c) and (e) of AD 2007-26-12 when aluminum skin main rotor blades are installed. Paragraphs (a), (b), (c) and (e) of AD 2007-26-12 require the following to be done to the main rotor blades: visual inspection with 10x magnification, tap testing, repainting exposed areas, removal of unairworthy blades, and visual checks before each flight.

We recognize that this AMOC was requested because RHC has developed new aluminum skin main rotor blades that are not subject to blade delamination. This AMOC is necessary because AD 2007-26-12 is applicable to specific helicopter serial numbers instead of to main rotor blade part numbers.

Your proposal provides an acceptable level of safety with the requirements of AD 2007-26-12. We approve the installation of aluminum skin main rotor blades to replace stainless steel skin blades as requested in reference 1 as an AMOC to the requirements of AD 2007-26-12 in accordance with the following:

- 1) Removal of A016-4 main rotor blades and installation of A016-6 blades on Robinson Model R22, R22 Alpha, R22 Beta and R22 Mariner helicopters, serial numbers 0002 through 4100, relieves the requirement to comply with paragraphs (a), (b), (c) and (e) of AD 2007-26-12.
- 2) Removal of C016-2 main rotor blades and installation of C016-7 blades on Robinson Model R44 helicopters, serial numbers 0001 through 1670, if helicopters are equipped or

retrofitted with hydraulic controls in accordance with R44 Service Letter SL-37, reference 2, relieves the requirement to comply with paragraphs (a), (b), (c) and (e) of AD 2007-26-12.

- 3) Removal of C016-5 main rotor blades and installation of C016-7 blades on Robinson Model R44 II helicopters, serial numbers 10001 through 11570, relieves the requirement to comply with paragraphs (a), (b), (c) and (e) of AD 2007-26-12.

In accordance with FAA Order 8110.103, the following conditions apply:

- FAA approval of a global AMOC applies only to U.S.-registered aircraft. Approval of this type of AMOC for a foreign-registered aircraft is the responsibility of the appropriate civil aviation authority of the state of registry.
- This approval is applicable only to Robinson Helicopter Company Model R22, R22 Alpha, R22 Beta, R22 Mariner helicopters, serial numbers 0002 through 4100; R44 helicopters, serial numbers 0001 through 1670; and R44 II helicopters, serial numbers 10001 through 11570; certificated in any category.
- This approval is transferable with aircraft to other operators.
- This AMOC may be copied and distributed to any interested party.
- Before using this AMOC, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.
- The LAACO will revoke this AMOC if the LAACO later determines that this AMOC does not provide an acceptable level of safety.

Please contact Fred Guerin at (562) 627-5232 or Eric Schrieber at (562) 627-5348 if you have further questions.

Sincerely,

  
Kevin Hull  
Manager, Los Angeles Aircraft Certification Office