



Airworthiness Directive

AD No.: 2017-0234

Issued: 24 November 2017

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

SAFRAN HELICOPTER ENGINES

Type/Model designation(s):

RTM 322 engines

Effective Date: 08 December 2017

TCDS Number(s): EASA.E.009

Foreign AD: Not applicable

Supersedure: None

ATA 05 – Time Limits / Maintenance Checks – Airworthiness Limitations Section – Amendment

Manufacturer(s):

SAFRAN Helicopter Engines, S.A. (formerly Turboméca, S.A.)

Applicability:

RTM 322-01/9A engines, all serial numbers.

These engines are known to be installed on, but not limited to NH Industries NH90 (military) helicopters.

Reason:

The airworthiness limitations applicable to the RTM 322 engines series are currently specified in the applicable RTM 322 maintenance manual (MM) reference M3-B-EBM-00-D Section 05-10 Airworthiness Limitations Section, which are approved by EASA. These limitations have been identified as mandatory for continued airworthiness.

Failure to implement these limitations could result in an unsafe condition.

SAFRAN Helicopter Engines issued RTM 322 MM reference M3-B-EBM-00-D, dated 30 September 2017, which contains Section 05-10 Airworthiness Limitations Section (hereafter referred to as 'the applicable ALS' in this AD). The applicable ALS includes among other limitations correction of the safe cyclic life limit for high pressure turbine second stage discs, the value for which was



erroneously indicated in the previous issue of the ALS (quoted 3 180 cycles instead of certified 3 000 cycles) and a new repetitive task to improve the reliability of the automatically calculated consumed life of the engine life-limited parts.

For the reasons described above, this AD requires accomplishment of the actions specified in the applicable ALS.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Maintenance Tasks and Replacement of Life Limited Parts:

(1) From the effective date of this AD, accomplish the following actions, as specified in the applicable ALS, as applicable to engine model and configuration:

(1.1) Replace each component before exceeding the applicable life limit, and

(1.2) Within the thresholds and intervals, accomplish all applicable maintenance tasks.

Aircraft Maintenance Programme (AMP) Revision:

(2) Within 12 months after the effective date of this AD, revise the approved AMP, on the basis of which the operator or owner of the helicopter (on which an affected engine is installed) ensures the continuing airworthiness of each operated engine, by incorporating limitations, tasks and associated thresholds and intervals defined in the applicable ALS.

Recording of AD Compliance:

(3) When the AMP of a helicopter has been revised as required by paragraph (2) of this AD, as applicable, that action ensures (see Note 1 of this AD) continued accomplishment of the tasks as required by paragraph (1) of this AD for the affected engine(s) installed on that helicopter. Consequently, after revising the AMP, as required by paragraph (2) of this AD, as applicable, it is not necessary that accomplishment of individual tasks is recorded for demonstration of AD compliance on a continued basis.

Note 1: For affected RTM 322 engines installed on helicopters registered in Europe, complying with the approved AMP, as specified in paragraph (2) of this AD, is required by Commission Regulation (EU) [1321/2014](#), Part M.A.301, paragraph 3.

Ref. Publications:

SAFRAN Helicopter Engines RTM 322-01/9A MM reference M3-B-EBM-00-D dated 30 September 2017.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.



2. This AD was posted on 24 October 2017 as PAD 17-151 for consultation until 21 November 2017. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact, please contact your nearest SAFRAN Helicopter Engines technical representative or connect to www.tools.safran-helicopter-engines.com.

SUPERSEDED

