



Airworthiness Directive

AD No.: 2019-0213

Issued: 29 August 2019

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

LEONARDO S.p.A.

Type/Model designation(s):

AW109SP helicopters

Effective Date: 12 September 2019

TCDS Number(s): EASA.R.005

Foreign AD: Not applicable

Supersedure: None

ATA 29 – Hydraulic Power – Hydraulic Pumps – Inspection / Replacement

Manufacturer(s):

Leonardo S.p.A. Helicopters, formerly Finmeccanica S.p.A. Helicopter Division, AgustaWestland S.p.A., Agusta S.p.A.

Applicability:

AW109SP helicopters, all serial numbers.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: Leonardo Service Bulletin (SB) 109SP-134.

Affected part: Hydraulic pumps, having Part Number (P/N) 109-0760-42-103.

Serviceable part: Hydraulic pumps, having P/N 109-0760-42-105.

Groups: Group 1 helicopters are those that have two affected parts installed.

Group 2 helicopters are those that have only one affected part installed.

Group 3 helicopters are those that do not have an affected part installed.



Reason:

Reports were received that affected parts have been found installed on AW109SP helicopters. These parts are not eligible for installation on AW109SP helicopters and, consequently, applicable instructions for continued airworthiness are not available.

This condition, if not detected and corrected, could lead to failure of affected parts, possibly resulting in loss of control of the helicopter.

To address this potential unsafe condition, Leonardo issued the SB, providing applicable instructions.

For the reasons described above, this AD requires an inspection of each affected part, and replacement with a serviceable part.

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) For Group 1 and Group 2 helicopters: Within the compliance time as defined in Table 1 of this AD, as applicable, inspect each affected part in accordance with the instructions of Part I of the SB.

Table 1 – Compliance Time (see Note 1 of this AD)

Group	Flight Hours (FH)	Compliance time
1	1 575 FH or less	Before exceeding 1 600 FH
	More than 1 575 FH, or FH unknown	Within 25 FH after the effective date of this AD
2	1 550 FH or less	Before exceeding 1 600 FH
	More than 1 550 FH, or FH unknown	Within 50 FH after the effective date of this AD

Note 1: Unless indicated otherwise, the FH specified in Table 1 of this AD are those accumulated by an affected part since first installation on a helicopter.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, any discrepancy, as identified in the SB, is detected on an affected part, before next flight, replace that affected part with a serviceable part in accordance with the instructions of Part II of the SB.

Part(s) replacement:

- (3) For Group 1 and Group 2 helicopters: Unless already accomplished as required by paragraph (2) of this AD, before exceeding 1 600 FH since first installation on a helicopter, or within 200 FH after the effective date of this AD, whichever occurs later, replace each affected part on a helicopter with a serviceable part in accordance with the instructions of Part II of the SB.



Part(s) installation:

(4) Do not install an affected part on any helicopter as required by paragraph (4.1) or (4.2) of this AD, as applicable:

(4.1) For Group 1 and Group 2 helicopters: After replacement of each affected part on the helicopter as required by paragraph (2) or (3) of this AD, as applicable.

(4.2) For Group 3 helicopters: From the effective date of this AD.

Ref. Publications:

Leonardo S.p.A. SB 109SP-134 original issue dated 29 July 2019.

The use of later approved revisions of the above-mentioned 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 30 July 2019 as PAD 19-147 for consultation until 27 August 2019. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Leonardo S.p.A. Helicopters, Customer Support & Services, Product Support Engineering DPT, via Giovanni Agusta 520, 21017 Cascina Costa di Samarate (VA) – Italy
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