



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 19-147

Issued: 30 July 2019

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

LEONARDO S.p.A.

Type/Model designation(s):

AW109SP helicopters

Effective Date: [TBD - standard: 14 days after AD issue date]

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) 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. This Proposed AD will be closed for consultation on 27 August 2019.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, 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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