



Airworthiness Directive

AD No.: 2016-0107

Issued: 07 June 2016

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:

AIRBUS

Type/Model designation(s):

A330 and A340 aeroplanes

Effective Date: 21 June 2016

TCDS Numbers: EASA.A.004, EASA.A.015

Foreign AD: Not applicable

Supersedure: None

ATA 29 – Hydraulic Power – Hydraulic Reservoir Fluid Level – Inspection

Manufacturer(s):

Airbus (formerly Airbus Industrie)

Applicability:

Airbus A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 aeroplanes, all manufacturer serial numbers (MSN), and

Airbus A340-211, A340-212, A340-213, A340-311, A340-312, A340-313, A340-541, A340-542, A340-642 and A340-643 aeroplanes, all MSN,

if fitted with Hydraulic Reservoir (HR) Pressure Relief Valve (PRV) Part Number (P/N) 42F0026 installed on TECHSPACE HR having P/N 42F1005, or P/N 42F1203, or P/N 42F1304, or P/N 42F1412, P/N 42F1512 or P/N 42F1607.

Reason:

Some events of depressurisation of hydraulic reservoirs have been reported, due to air leakage from the HR PRV. The results of the investigations revealed that the air leakage was due to the extrusion of the O-ring seal from the HR PRV. This may have happened during HR maintenance, testing or during flight, if HR over-filling was performed, as a result of which hydraulic fluid could



pass through the PRV, causing PRV seal to migrate from its nominal position, leading to loss of HR pressurisation.

This condition, if not detected and corrected, could lead to the loss of one or more hydraulic systems, possibly resulting in loss of control of the aeroplane.

Prompted by these findings, Airbus issued Alert Operators Transmission (AOT) A29L005-16 to provide inspection instructions.

For the reasons described above, this AD requires repetitive inspections of the HR fluid level of each hydraulic circuit and, depending on findings, accomplishment of applicable corrective action(s). This AD also requires actions when maintenance action is accomplished on hydraulic reservoirs.

This AD is considered as interim action and further AD action may follow.

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

Required as indicated, unless accomplished previously:

- (1) Within the compliance time defined in Table 1 of this AD, as applicable, and, thereafter, at intervals not exceeding 1 600 flight hours (FH), inspect the HR fluid level of each hydraulic circuit in accordance with the instructions of paragraph 4.2.2.1 of Airbus AOT A29L005-16.

Table 1 – Threshold Inspection

Compliance Time (whichever occurs later, A or B)	
A	Before exceeding 1 600 FH since first flight of the aeroplane
B	Within 1 000 FH or 3 months, whichever occurs first after the effective date of this AD

- (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy is identified, as specified in Airbus AOT A29L005-16, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of Airbus AOT A29L005-16.
- (3) Accomplishment of corrective action(s) on an aeroplane, as required by paragraph (2) of this AD, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.
- (4) From the effective date of this AD, during each maintenance action(s) on the hydraulic reservoirs, accomplish all the actions as described in the instructions of paragraph 4.2.2.2 of Airbus AOT A29L005-16.

Ref. Publications:

Airbus AOT A29L005-16 dated 28 January 2016.

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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
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: AIRBUS – EIAL (Airworthiness Office), E-mail: airworthiness.A330-A340@airbus.com.

Superseded

