

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD No.: 2014-0063-E Date: 12 March 2014 Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, 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 EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Design Approval Holder's Name: AGUSTAWESTLAND S.p.A.	Type/Model designation(s): AB 412 helicopters
TCDS Number: ENAC Italy A 157	
Foreign AD: Not applicable	
Supersedure: None	
ATA 25	Equipment / Furnishings – Utility Hydraulic System / Pressure Line Pump and Filter – Inspection / Replacement
Manufacturer(s):	AgustaWestland S.p.A. (formerly Agusta S.p.A)
Applicability:	AB 412 helicopters equipped with hydraulic external hoist part number (P/N) BL10300-60.
Reason:	During hoist operation of an AB 412 helicopter equipped with hydraulic external hoist P/N BL10300-60, failure of pressure line pump P/N 1-8072 Rev. A was reported. Preliminary investigations revealed that unusual wear of an internal subcomponent generated metal particles which caused the pump to fail. The root cause of this wear is under investigation, but has not yet been determined. This condition, if not detected and corrected, could lead to further occurrences of pump failure, possibly resulting in personal injury or hoisting accidents. To address this unsafe condition, AgustaWestland issued Bollettino Tecnico (BT) 412-140 providing instructions for inspection of filter P/N 1-12028 installed on the pressure line of the utility hydraulic system. For the reason described above, this AD requires repetitive inspections of the filter for presence of metal particles and, in case of findings, replacement of the pressure line pump. Pending final investigation results, this AD is considered an interim action and further AD action may follow.
Effective Date:	14 March 2014

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 10 flight hours (FH) after the effective date of this AD and, thereafter, at intervals not to exceed 25 FH, inspect the filter P/N 1-12028 installed on the pressure line of the utility hydraulic system for presence of metal particles in accordance with the instructions of AgustaWestland BT 412-140. (2) If, during any inspection as required by paragraph (1) of this AD, metal particles are found, before next flight, replace the pump P/N 1-8072 Rev. A installed on the pressure line of the utility hydraulic system with a serviceable part in accordance with the instructions of AgustaWestland BT 412-140. (3) From the effective date of this AD, installation on a helicopter of a pressure line pump P/N 1-8072 Rev. A is allowed, provided that the filter P/N 1-12028 is inspected in accordance with the requirements of paragraph (1) of this AD. Note: The initial inspection as required by paragraph (1) of this AD is due within 10 FH following pump installation.
Ref. Publications:	AgustaWestland BT 412-140 original issue, dated 11 March 2014. 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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: AgustaWestland S.p.A, Customer Support & Services – Italy, Product Support Engineering Dpt., Via del Gregge, 100, 21015 Lonate Pozzolo (VA) – ITALY Tel.: +39 0331 664905, Fax: +39 0331 664684. E-mail: absereng@agustawestland.com.