



EASA Safety Information Bulletin

SIB No.: 2009-26
Issued: 12 August 2009

Subject: Lifesaving Systems Corporation (LSC) D-Lok Hook installed on Rescue Hoists – Inspection / Replacement

Ref. Publications: Goodrich Sensors and Integrated Systems (Hoist and Winch) Service Bulletin (SB) 42315-489-01 Revision 1 dated 5 June 2009, and Breeze-Eastern Corporation Service Information Letter (SIL) SIL01 BLH-20200-431 dated 22 June 2009, SIL01 HK-116-5 dated 01 July 2009, and Service Bulletin SB BLH-20200-504-25-01 dated 12 June 2009.

Description: On the 12 June 2009, EASA issued Airworthiness Directive (AD) 2009-0124, which was superseded on 09 July 2009 by EASA Emergency AD 2009-0148E, to require the inspection and removal from service of certain D-Lok Hooks, manufactured by Lifesaving Systems, having Part Numbers (P/N) P/N 410-A and 410-F, within 30 days after the effective date, 11 July 2009. It was determined that a non-approved change in the hook manufacturing process, from forged material to cast material, had been performed by Lifesaving Systems, causing material irregularities and discontinuities.

The LSC hooks are also known to be part of certain Breeze-Eastern Hoist installations. EASA has been informed that Breeze-Eastern has recommended that operators replace the cast hooks with forged hooks or D-lock hooks of another standard.

The related D-Lok Hooks were supplied to both Goodrich and Breeze-Eastern for installation on rescue hoist assemblies.

On 29 June 2009, EASA also published SIB 2009-20, to ensure that all owners and operators of any affected helicopters were aware of the AD and its required actions and would take action accordingly, even if their helicopter type/model had not been yet identified at the time of the Ad publication. Indications are that not all owners and operators of affected helicopters have taken the necessary actions.

On 11 August 2009, EASA issued AD 2009-0179-E, superseding AD 2009-0148-E, retaining the same required actions but reducing the applicability and adding the requirement to return the removed hooks to the affected hoist manufacturer.

EASA is aware that Goodrich has carried out analysis and tests, aiming at substantiation of the cast hook design. However, a number of hook installations have been approved under the design

responsibilities of certain helicopter Type Certificate (TC) holders and Supplemental Type Certificate (STC) holders.

This SIB is published to inform owners and operators of helicopters affected by EASA AD 2009-0179-E that substantiating data might be requested from Goodrich to support any applications for approval of an Alternative Method of Compliance (AMOC) to the existing AD.

Applicability: All helicopters, if equipped with Lifesaving Systems Corporation P/N 410-A or P/N 410-F D-Lok Hooks, identified as part of Lot number 208 or 1108.

Please note that some of these hooks may have been assigned a different P/N by the Hoist Assembly manufacturer.

Contacts: For further information contact the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA.
E-mail: ADs@easa.europa.eu.

Applications for an EASA AMOC approval can be sent to:
amoc@easa.europa.eu.

Copies of the referenced advisory document and any other related information may be obtained upon request from:

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Facsimile: + 1 909 569 0387

or from:

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or from:

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