

Subject

Triangular mark regarding the restrictions from sailing with any cargo hold empty for Bulk Carriers (Revised SOLAS, Chapter XII / Reg. 8 and 14)

ClassNK

Technical Information

No. TEC-0663
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To whom it may concern

According to the SOLAS regulation XII/14, bulk carriers of 150m in freeboard length(Lf) and upward of single-side skin construction, carrying cargoes having a density of 1.78t/m³ and above, if not meeting the requirements for withstanding flooding of any one cargo hold as specified in regulation 5.1^{Note1} and side structures in single side skin bulk carriers as specified in IACS UR S12 (Rev. 2.1) or UR S31^{Note2}, shall not sail with any hold loaded to less than 10% of the hold's maximum allowable cargo weight when in the full load condition (corresponding to a load equal to or greater than 90% of the ship's deadweight at the relevant assigned freeboard) after 1 July 2006 or the date on which the ship reaches 10 years of age, whichever occurs later. As already advised in ClassNK Technical Information No. TEC-0632, the restrictions under regulation XII/14 should have been annotated in the onboard loading manual of the relevant ships at the time of periodical class survey, after 1 July 2005.

In addition, ships to which the above restrictions apply must be permanently marked on the side shell at midships, port and starboard, with a solid equilateral triangle as required by the revised SOLAS, regulation XII/8 as shown on the next page. A confirmation Survey of the triangular mark will be carried out at the first statutory survey for "CARGO SHIP SAFETY CONSTRUCTION CERTIFICATE" after compliance becomes required.

Note 1: Regulation XII/5.1 (Structural strength to withstand flooding of any one cargo hold)

This regulation must be applied to bulk carriers which are contracted for construction on and after 1 July 1998. The Society may waive this regulation for bulk carriers which were contracted for construction before 1 July 1998 on condition of meeting the above restrictions.

Note 2: IACS UR S12 (Rev. 2.1) / UR S31 (Side structures in single side skin bulk carriers)

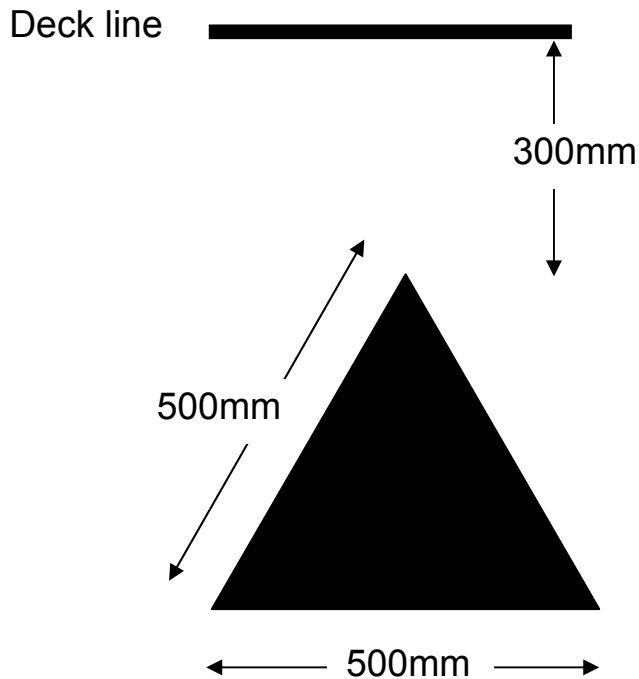
UR S12(Rev.2.1) is applied to bulk carriers which are contracted for construction on and after 1 July 1998. UR S31 is applied to bulk carriers which were contracted for construction before 1 July 1998.

(To be continued)

NOTES:

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Triangular mark required by SOLAS Chapter XII Reg.8.3



The permanent marking, of a solid equilateral triangle is to be made on the side shell at midships, port and starboard, by punching, weld beads or cut out of a thin plate welded.

This mark is to be painted a contrasting colour to that of the hull.

For any questions about the above, please contact:

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