

Subject

Steel coil loading program of existing dry cargo ships

ClassNK

Technical Information

No. TEC-0798

Date 7 January 2010

To whom it may concern

Loading methods, i.e. weight, size, tiers, and number of dunnages, for steel coils carried by dry cargo vessels have been verified with regards to the concentrated forces affecting inner bottoms and these loading methods have been summarized in the onboard loading manual. These summarized loading methods aim to keep the number of dunnages to a minimum and may not always correspond to maximum quantities for loaded steel coils.

However, steel coil loading methods that are not summarized in the onboard Loading Manual are also acceptable, provided that the number of dunnages is increased and they are verified properly with regard to inner bottom strength.

With regard to information given by ClassNK Technical Information No.TEC-0726 dated 25 March 2008, a calculation program to evaluate steel coil loading methods, which are not summarized in the onboard Loading Manual, is available from ClassNK's website.

Up to now, this calculation program could evaluate steel coil loading methods with less than 6 dunnages which are not included in the onboard Loading Manual. This time the program has been improved to evaluate steel coil loading methods with more than 6 dunnages per steel coil considering that the loads on panel of inner bottom are regarded as uniformly distributed loads.

The above improved program named "Primeship_Steelcoil_Loading_Ver1.10-E.xls" is available from ClassNK's website.

English (http://www.classnk.or.jp/hp/en/download/dl_soft.aspx)

Chinese zh (http://www.classnk.or.jp/hp/zh/download/dl_soft.aspx)

Chinese zh-tw (http://www.classnk.or.jp/hp/zh-tw/download/dl_soft.aspx)

Korean (http://www.classnk.or.jp/hp/ko/download/dl_soft.aspx)

For any questions about the above, please contact:

NIPPON KAIJI KYOKAI (ClassNK)

Hull Department, Administration Center, Head Office

Address: 4-7, Kioi-cho, Chiyoda-ku, Tokyo 102-8567, Japan

Tel.: +81-3-5226-2017

Fax: +81-3-5226-2019

E-mail: hld@classnk.or.jp

NOTES:

- ClassNK Technical Information is provided only for the purpose of supplying current information to its readers.
- ClassNK, its officers, employees and agents or sub-contractors do not warrant the accuracy of the information contained herein and are not liable for any loss, damage or expense sustained whatsoever by any person caused by use of or reliance on this information.
- Back numbers are available on ClassNK Internet Homepage (URL: www.classnk.or.jp).