Distance of Suction Wells from Shell Plating

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part S
Guidance for the Survey and Construction of Steel Ships Parts N and S

Reason for Amendment

The International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (the IGC Code) specifies that a cargo tank is not to be located from the shell plating at less than the distance corresponding to the gross volume of the cargo tank in question. This requirement has already been incorporated into requirement 2.4.1 of the Rules for the Survey and Construction of Steel Ships Part N.

With respect to the above, even when the suction wells comply with the requirement in 2.4.3 of the Rules for the Survey and Construction of Steel Ships Part N, they are still not to be located from the shell plating at less than the minimum distance specified in requirement 2.4.1 (the protective distance) since they are considered to be part of the cargo tank; the Society has specified such requirements in the corresponding Guidance.

Accordingly, relevant requirements were amended so that the minimum protective distance required for the suction wells is consistent with the distance required for a cargo tank.

In addition, relevant requirements were amended to clarify that the suction wells installed in a cargo tank of ships carrying dangerous chemicals in bulk are to be treated the same ones installed in a cargo tank of ships carrying liquefied gases in bulk.

Outline of Amendment

(1) Specified that the suction wells installed in a cargo tank of ships carrying liquefied gases in bulk are not to be installed at a distance for the shell plating which is less than the distance corresponding to the gross volume of the cargo tank in question.
(2) Specified that the suction wells installed in a cargo tank of Type II ships carrying dangerous chemicals in bulk are not to be installed less than 760 mm from the shell plating.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part S: 2.6.2
Guidance for the Survey and Construction of Steel Ships
Part N: N2.4.3
Part S: S2.6.2