

Filling Limits Greater Than 98%

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part N

Reason for Amendment

Regulation 15 of the IGC Code specifies additional items which are required to be considered for cases where filling limits greater than 98% are set, but does not specify any details regarding the methods to be used to consider such items.

Therefore, IACS published a detailed study method as IACS Rec.109 in 2009 in order to facilitate the implementation of the regulation to ships subject to Regulation 15. This recommendation has already been incorporated into the ClassNK Rules.

At the 93th session of the IMO Maritime Safety Committee held in May 2014, a comprehensive revision of the IGC Code (hereinafter referred to as the “revised IGC Code”) was adopted as Resolution MSC.370(93). In response, IACS reviewed the contents of IACS Rec.109, and amended it as IACS Rec.149 in May 2017. IACS Rec.149 is recommended to be applied to ships whose dates of construction are on or after 1 July 2017.

Accordingly, relevant requirements were amended in accordance with IACS Rec.149 and records of previous approvals of filling limits greater than 98%.

Outline of Amendment

- (1) Specified necessary considerations related to list and trim conditions, and allowances to be made when designers confirm the location of PRV inlets and no presence of isolated vapor pockets within tanks.
- (2) Specified an example method which can be followed for volume expansion calculations intended to take into account measurement device tolerances, operational margins and fire scenarios.

Amended Requirements

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Part N: N15.4.1, Fig.N15.4.1-1