

# Special Requirements for Machinery Installations

## Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part D

Rules for the Survey and Construction of Passenger Ships

Guidance for the Survey and Construction of Steel Ships Part D

## Reason for Amendment

- (1) Under the current requirements related to steering arrangements, even though it is specified as a special exception for the machinery installations of ships on restricted voyages that the fixed piping used to refill steering devices with operating oil from stand-by storage tanks may be omitted, the same requirements do not recognize the omission of stand-by storage tanks on such ships.

Regarding the aforementioned ships, the relevant requirements are amended to allow for the omission of stand-by storage tanks taking into consideration that there have been no reports of serious accidents caused by any leakage of operating oil, and that sufficient system redundancy is guaranteed because auxiliary steering arrangements are required in cases where such tanks are omitted.

- (2) Under the current requirements for prime movers, the hydrostatic tests of components, the dynamic balancing tests of superchargers, shop trials, etc., are required to be carried out at the manufacturer works in the presence of Society Surveyors. However, in such cases, only the hydrostatic tests of certain small-scale prime movers may be carried out without such Surveyors present.

Because there have been no reports of any serious problems related to any unbalance of the rotating parts of small-scale prime movers, the relevant requirements are amended to allow manufactures to conduct their own independent dynamic balancing tests of superchargers without the presence of Surveyors under the condition that the results of such testing is submitted to the Society.

## Outline of Amendment

- (1) In addition to the fixed piping used to refill steering devices with operating oil from stand-by storage tanks, “for ships with the Class Notation ‘*Coasting Service*’ or the equivalent, which are not engaged in international voyages, or whose gross tonnage is less than 500 tons”, the requirements are amended to also allow the omission of such tanks.
- (2) In addition to the hydrostatic testing of parts, the requirements are amended to also allow the dynamic balancing tests of the superchargers of certain prime movers for generators and auxiliaries to be carried out without the presence of Surveyors.