Omission of Gas Trials

Amended Guidance

Guidance for the Survey and Construction of Steel Ships Part N

Reason for Amendment

The IGC Code specifies that the overall performance of a cargo containment system is to be verified during the first full loading and discharging of the cargo in accordance with the requirements of the Administration or recognized organization acting on its behalf. Gas trials and cargo full loading tests, which are NK original requirements, are stipulated in the Guidance for the Survey and Construction of Steel Ships Part N as ways to carry out the above-mentioned verification.

A gas trial is a test that is mainly aimed at low-temperature-type cargo containment systems, for which cool-down operations are needed, and is designed to verify the performance of cargo containment systems, cargo handling equipment and instrumentation using a suitable quantity of the cargo upon completion of all construction work. Hence, for pressure-type cargo containment systems whose design temperatures are not less than 0°C, which do not need cool-down operations, omission of such tests may be accepted in consideration of past service records.

However, the omission of gas trials may also be accepted for pressure-type cargo containment systems whose design temperatures are about -10°C in the same manner as for pressure-type cargo containment systems whose design temperatures are not less than 0°C as long as such containment systems do not require cool down operations in the case of liquefied gases such as butane, etc. which are stored at low temperatures in gas terminals and are loaded onboard without any increases in temperature.

Accordingly, relevant requirements were amended in consideration of the above.

Outline of Amendment

Amended requires to allow the omission of gas trials for cargo tanks which do not require either cool-down operations or cargo pressure/temperature control regardless of tank design temperature.

Amended Requirements

Guidance for the Survey and Construction of Steel Ships
Part N: N4.20.3