

LIQUEFIED-GAS TRANSPORT VESSEL AND LIQUEFIED-GAS TRANSPORT
VESSEL DESIGNING METHOD

ABSTRACT

A liquefied-gas transport vessel having a low-temperature liquefied gas tank (10) with a total loading capacity of 60,000 m³ to 90,000 m³ inclusive, the low-temperature liquefied gas tank (10) being of a thermal insulation construction for LNG, the low-temperature liquefied gas tank (10) and a cargo hold (4) in which the low-temperature liquefied gas tank (10) is mounted having structural strengths such that the loading of LNG, ethane, ethylene, or LPG is permitted, the vessel having a hull structure provided with a sufficient freeboard and stability with respect to heel during navigation in three cases of loading of the low-temperature liquefied gas tank (10) including a case of the sole loading of LNG, a case of the sole loading of ethane, ethylene, or LPG, and a case of the mixed loading of two or more of LNG, ethane, ethylene, and LPG. Thus, there are provided the liquefied-gas transport vessel (1) capable of efficiently transporting liquefied gas of not only LNG but also multiple gases such as LPG, ethane, and ethylene for intraregional transport or short-distance transport, the vessel being provided with the function enabling loading and unloading at multiple ports, and a liquefied-gas transport vessel designing method.

(Fig.1)