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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 41730-2022

Safety requirements for tank cleaning operation of oil tankers

油船清洗舱安全作业要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" drafted. This document is proposed and managed by the Ministry of Transport of the People's Republic of China. Requirements for safe operation of cleaning tanks of oil tankers

1 Scope

GB 41730-2022 is the Chinese national standard on safety requirements for tank cleaning operation of oil tankers, in the field of services and company organization. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 13 July 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2023. Classification: ICS 03.220.40, CCS R22. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the general requirements for the safe operation of tank cleaning on oil tankers, as well as the requirements for safe operations such as tank washing, crude oil washing, degassing, and tank cleaning. This document is applicable to tank cleaning operations of oil tankers of 150 gross tonnage and above in the waters under the jurisdiction of the People's Republic of China.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document. JT/T 673 Requirements

for receiving and processing capacity of ship pollutants receiving and ship cleaning operation units

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 tankwashing The operation of cleaning the inner surface of cargo oil tank and its components through tank washing equipment using water, crude oil, chemical cleaning agent, etc. as a medium.

3.2 tankwashingmachines Driven by the driving device, the tank washing equipment can change the spray angle of the nozzle in different directions.

Note. The tank washing machine is divided into fixed tank washing machine and mobile tank washing machine, and there are single nozzle, multi nozzle and other types.

3.3 crude oil washing The oil tanker transporting crude oil uses the cargo oil carried as the cleaning medium, sprays it into the cargo oil tank under high pressure through the tank washing machine and relies on the crude oil itself. The operation of washing off the oil residue adhering to the bulkhead, structural members and bilge, and discharging it out of the tank together with the cargo oil.

3.4 waterwashing The operation of cleaning the inner surface of the cargo oil tank and its components through tank washing equipment using water as a medium.

Note. Including water washing of product oil tankers, water washing of crude oil tankers and water washing after crude oil tank washing.

3.5 inert gas A single or mixed gas containing insufficient oxygen to sustain combustion of hydrocarbons.

Note. Including flue gas, nitrogen, etc.

3.6 Inert state inertcondition After the cargo oil tank is filled with inert gas, the oxygen content of the gas in the tank has dropped to 8% or less by volume.