Certificate No: LR2550372TA
Issue Date: 24/04/2025
Expiry Date: 23/04/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**TaiZhou ZhongYuan Shipping Machinery Manufacturing CO.,LTD**
Address	Private Economy Industry Center,Jiangyan District, Taizhou, 225300, China
Type	Emergency Towing Systems
Trade Name	ZY2K.FWD.00 & Chain Stopper
Application	For SPM/ETA: Appropriate for tankers less then 100000 DWT
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 3, Chapter 13, Section 12 Chapter II-1, Regulation 3-4 of the International Convention for Safety of Life at Sea (SOLAS) IMO Resolution MSC 35(63) Oil Companies International Marine Forum (OCIMF) "Mooring Equipment Guidelines 4th Edition (MEG4)
Ratings	OCIMF type Chain stopper Safe Working Load (SWL): 204 t (SPM/ETA) Chock Safe Working Load (SWL): 204 t (SPM/ETA)
Other Conditions	1) Emergency Towing systems / Single point Mooring equipment are to be installed on board the ship to the attending surveyor's satisfaction. 2) This approval relates to the emergency towing arrangement and single point moorings only. Attachment to the ship structure should comply with the requirements of the Rules and Regulations for the Classification of Ships.

Downloaded Copy

Sujith Tooneri

Ship Structure - In-Service Group Manager to
Lloyd's Register Singapore Pte Ltd
A member of the Lloyd's Register group

9 North Buona Vista Drive, #02-01, Metropolis
Tower 1, 138588, Singapore

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Type Approval Certificate

3) Pennant, chaffing chains and their associated fittings should be manufactured and tested in accordance with the requirements of Chapter 10 of the Rules for the Manufacture, Testing and Certification of Materials.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Singapore Pte Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document GTSO/HULL/24-021105 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

9 North Buona Vista Drive, #02-01, Metropolis
Tower 1, 138588, Singapore

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.