Certificate No: LR2523981TA
Issue Date: 01/03/2025
Expiry Date: 28/02/2030

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
Place of Production	TaiZhou ZhongYuan Shipping Machinery Manufacturing CO.,LTD Private Economy Industry Center,Jiangyan District, Taizhou, 225300, China
Type	Emergency Towing Systems
Description	Emergency Towing System/ Single Point Mooring Arrangement
Trade Name	ZY3.5K.FWD.00, ZY2K.AFT.00, ZY2K.AFT.01, ZY2K.EPB.00
Application	Fwd Single Point Mooring(ZY3.5K.FWD.00) appropriate for tankers (No deadweight limitation) Fwd Emergency Towing Arrangement (ZY3.5K.FWD.00) appropriate for tankers greater than20,000 DWT(including greater than 50,000 DWT) Aft Emergency Towing System(ZY2K.AFT.00, ZY2K.AFT.01, ZY2K.EPB.00) appropriate for tankers greater than 20,000 DWT(including greater than50,000 DWT)
Specified Standard	IMO Resolution MSC 35(63) Lloyd's Register's Rule and Regulations for the Classification of Ships, July

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Wen De Song

Ship Structure - Senior Specialist to Lloyd's Register Classification Society (China) Co., Ltd.

12th Floor, Chong Hing Finance Centre, No. 288 Nanjing West Road, Shanghai, 200003, China

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2023

Ratings

Fwd Single Point Mooring (ZY3.5K.FWD.00) SWL = 350 ton
Fwd Emergency Towing Arrangement (ZY3.5K.FWD.00) SWL = 2000kN (204 ton)
Aft Emergency Towing System(ZY2K.AFT.00,ZY2K.AFT.01, ZY2K.EPB.00) SWL = 2000kN (204 ton)

Other Conditions

1. Pennant, chaffing chains and their associated fittings should be manufactured and tested in accordance with the requirements of Part 2, Chapter 10 of the Rules and Regulations for the Classification of Ships.
2. Emergency Towing system is to be installed on board to the attending Surveyor's satisfaction.
3. This approval relates to the emergency towing arrangement and single point moorings only. Its attachment to the ship structure should be in accordance with the LR Rules and Regulations for the Classification of Ships for ships Classed or intended to be Classed with LR, or else to the satisfaction of the National Authority.
4. To ensure the validity of this certificate, production facilities are to be inspected by an LR Surveyor who shall verify that the equipment supplied by that facility conforms with the conditions and the approval documentation associated with this certificate.
5. The materials used are to comply with LR Rules and Regulations and the work is to be carried out to LR's satisfaction.

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 Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document The Design Appraisal Document STS/TA/WSZ/PRJ11100439735/O-937555D and its supplementary Type Approval Terms and Conditions form part of this Certificate. and its supplementary Type

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