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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 26475-2021

Replacing GB/T 26475-2011

Bridge type grab ship unloader

桥式抓斗卸船机

Issued on: December 31, 2021 **Implemented on: July 1, 2022**

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Standardization Administration of China

Table of Contents

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 replaces GB/T 26475-2011 "Bridge Grab Ship Unloader": Compared with GB/T 26475-2011, except for structural adjustment and editing In addition to the editorial changes, the main technical changes are as follows:

--- Revised the definition of rated lifting capacity (see 3:2, 3:2 of the:2011 edition);

--- Added the definition of net average productivity (see 3:3) and the test method (see 6:8:2);

--- Added the definition of average productivity (see 3:4) and the test method (see 6:8:3);

--- Increased the requirements for the alarm and interlock of the lifting capacity limiter (see 5:4:2:2);

--- Modified the requirements for anti-wind and anti-skid devices (see 5:4:2:5, 6:3:9 of the:2011 edition);

--- Added measures for double protection of the pitching mechanism (see 5:4:6:2);

--- Added anti-typhoon countermeasures (see 5:4:10);

--- Increased requirements for dust suppression systems (see 5:5:13);

--- Increased the requirements for the ship unloader monitoring and management system (see 5:9:2:10);

--- Added requirements for setting up an independent industrial monitoring system (see 5:9:2:13);

--- Increased the requirements for the operation mode of the ship unloader (see 5:9:3);

--- Modified the requirements for grounding and lightning protection (see 5:9:6, 6:9:6 of the:2011 edition): Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents: This document is proposed by China Machinery Industry Federation: This document is under the

jurisdiction of the National Standardization Technical Committee of Hoisting Machinery (SAC/TC227): This document is drafted by: Dalian Huarui Heavy Industry Group Co:, Ltd:, Beijing Hoisting and Transportation Machinery Design and Research Institute Co:, Ltd:, Beijing Kezhengping Engineering Technology Testing Research Institute Co:, Ltd:, Nantong Runbang Heavy Machinery Co:, Ltd:, Weite Technology Co:, Ltd:, Henan Guangxing Heavy Machinery Co:, Ltd: Machinery Co:, Ltd: The main drafters of this document: Jia Tiejun, Cai Yasen, Yuan Xin, Cui Yihua, Wang Cheng, Li Bin, Han Fuwei, Guo Dong: The previous versions of this document and its superseded documents are as follows:

---First published in:2011 as GB/T 26475-2011;

1 Scope

GB/T 26475-2021 is the Chinese national standard on bridge type grab ship unloader, in the field of materials handling equipment. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2022. Classification: ICS 53.020.99, CCS J80. 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 terms and definitions of bridge grab ship unloaders (hereinafter referred to as ship unloaders) with a rated productivity of 400t/h~5000t/h: Definition, type classification and basic parameters, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage: This document applies to ship unloaders for unloading coal or ore, ship unloaders exceeding the above rated productivity and other bulk material ship unloaders: Refer to use: This document does not apply to bridge-type grab ship unloaders installed on pontoons:

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:

GB/T 191 Graphical signs of packaging, storage and transportation

GB/T 755-2019 Rating and performance of rotating electrical machines

GB/T 1228 High-strength hexagon head bolts for steel structures

GB/T 1229 High-strength hex nuts for steel structures

GB/T 1230 High-strength washers for steel structures

GB/T 1231 Technical Specifications for High Strength Large Hexagon Head Bolts, Large Hexagon Nuts and Washers for Steel Structures

GB/T 2893 (all parts) Graphical symbols safety colors and safety signs

GB/T 3323 (all parts) Non-destructive testing of welds, radiographic testing

GB/T 3632 Torsional shear type high-strength bolt connection pair for steel structure

GB/T 3766 General rules and safety requirements for hydraulic transmission systems and their components

GB/T 3811-2008 Crane Design Specification

GB/T 4208 enclosure protection class (IP code) GB/T 5226:

1 Mechanical and Electrical Safety Mechanical and Electrical Equipment Part 1: General Specifications GB/T 5226:

5 Crane Terminology Part 5: Overhead and Gantry Cranes

GB/T 8918 Steel wire ropes for important purposes GB/T 8923:

1 Visual assessment of surface cleanliness of steel surface preparations before coating - Part 1: Uncoated steel The rust grade and treatment grade of the surface and the steel surface after the full removal of the original coating GB/T 8923:

2 Visual assessment of surface cleanliness of steel surface preparations before coating - Part 2: Coated steel Treatment level after partial removal of the original coating on the surface

GB/T 9286 Cross-cut test for paints and varnishes