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

GB/T 17992-2008

Replacing GB 17992-1999

Safety code for the container reach stacker

集装箱正面吊运起重机安全规程

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Quarantine of the People's Republic of China;
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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Basic requirements

Foreword

This standard replaces GB 17992-1999 "container front lifting crane safety regulations." The main technical differences between standard compared with GB 17992-1999 are as follows:

- Canceled Appendix A, and the normative references are removed GB/T 699 and other relevant standards;
- Canceled repealed standards such as JT/T 232-1995, JT5020-1986 etc;
- Canceled 4.3,4.11,5.4,5.6,7 chapters and clauses;
- The content brakes, cab, boom, hydraulic systems, electrical systems, safety protection devices were modified and perfection (see 4.1, 4.4,4.6,4.9,4.10,4.11). The standard proposed by the People's Republic of China Ministry of Transportation. This standard by the Ministry of Port Machinery standard focal point. This standard was drafted. Water Transport Ministry of Transport Research Institute. The main drafters of this standard. Li Haibo, NWO and Crafts, Liu Jinchuan. This standard replaces the standards previously issued as follows:
 - GB 17992-1999. Container reach stacker crane safety regulations

1 Scope

GB/T 17992-2008 is the Chinese national standard on safety code for the container reach stacker, 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 27 May 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2008. Classification: ICS 53.020.20, CCS R46. 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 standard specifies the container front lifting cranes (hereinafter referred to as the front lifting machine) the design, manufacture, installation, use and maintenance, inspection and Maintenance and other technical aspects of the safety requirements. This standard applies to the starting weight of not less than 24000kg Front Carrier, from the weight of less than 24000kg Front Carrier can participate According to use.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1228 high strength steel with large hexagon head bolts (GB/T 1228-2006, ISO 7412. 1984, NEQ)

GB/T 1229 steel with high strength large hexagon nuts (GB/T 1229-2006, ISO 4775. 1984, NEQ)

GB/T 1230 high-strength steel washer (GB/T 1230-2006, ISO 7416. 1984, NEQ)

GB/T 1231 Steel hexagon head bolts, hexagon nuts, plain washers for high-strength GB 2893 Safety colors (GB 2893-2001, neq ISO 3864. 1984) GB 2894 Safety Signs (GB 2894-1996, neq ISO 3864. 1984)

GB/T 3323 metal fusion welded joints radiography (

GB/T 3323-2005, EN1435.1997, MOD)

GB/T 3766 Hydraulic System General technical conditions (GB/T 3766-2001, eqv ISO 4413.1998)

GB/T 3811 crane design specifications

GB/T 6067 crane safety regulations (

GB/T 6067-1985, neqNFE52-122. 1975)

GB/T 11345 steel welds manual ultrasonic testing and classification of testing results

GB 20062 mobile crane operation noise limits and measurement methods

GB/T 20303.2 crane cab Part 2. Mobile cranes (GB/T 20303.2-2006, ISO 8566-2. 1995, IDT)

3 Basic requirements

3.1 Front Carrier design, manufacture and installation according to prescribed procedures

approved by the drawings and related technical documentation and shall comply GB/T 3811 regulations.

3.2 Reach Stacker machine stability should be consistent with GB/T 3811 regulations.

3.3 Reach Stacker job and noise should comply with the GB 20062, the driver's seat ear noise should not exceed 80dB (A).

3.4 Reach Stacker products should be set at the position clear signs, signs should indicate the manufacturer, date of manufacture, the rated capacity and safe use The main parameters and so on.

3.5 Front Carrier coated with the surrounding environment should be a clear distinction between color and set the security flag, in line with the GB 2893 and GB 2894 Provisions.