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CCS R46



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

GB/T 14743-2009

Replacing GB/T 14744-1993

Port of wheel crane

港口轮胎起重机

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Foreword

This standard replaces GB/T 14743-1993 "Port Crane tire technology" and GB/T 14744-1993 "Port Tire Crane Test methods. " The integration of the revised standard GB/T 14743-1993 and GB/T 14744-1993. This standard and GB/T 14743-1993 and GB/T 14744-1993 main changes are as follows:

- Removed by crane lifting reel and fall on the way the product classification;
- Cranes up to 80t (see Table 1);
- Modify the basic parameters of the crane (see Table 2);
- Modify the working-level crane slewing mechanism provisions (see Table 4);
- Increasing the crane hydraulic system, hydraulic components, hydraulic oil selection, replacement, and pollution degree measuring method (see 4.3.4 and 4.5.14);
- Use only the power to increase the performance of the engine and the crane torque converter shall satisfy the provisions of the Joint Action crane requirements (See 4.3.5);
- Modify the parameters of the crane size tolerances (see Table 7);
- Increased requirements for noise limits and measurement methods of the crane operation (see 4.3.20 and 5.13);
- Increasing the lighting signal traveling crane shall comply with the provisions of GB 7258 (see 4.6.13). Appendix A of this standard is a normative appendix. The standard proposed by the Ministry of Transport of the People's Republic of China. This standard by the Ministry of Water Transport Research Institute. This standard was drafted. Shanghai International Port (Group) Co., Ltd., Shanghai Xinda Machinery Co., Ltd. The main drafters of this standard. Bao Qifan, Xu Delin, Xu Noble, Wenjun, Jinmao Hai, along its gold, Shen Jimin.

This standard replaces the standards previously issued as follows:

--- GB/T 14743-1993;

--- GB/T 14744-1993. Port Tire Crane

1 Scope

GB/T 14743-2009 is the Chinese national standard on port of wheel crane, in the field of services and company organization. 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 30 October 2009 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 March 2010. Classification: ICS 03.220.40, 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 tire port crane (hereinafter referred to as the crane) product classification and basic parameters, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage. This standard applies to port handling breakbulk and bulk cargo with a tire crane.

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 699 high-quality carbon structural steel

GB/T 700 carbon structural steel (GB/T 700-2006, ISO 630.1995, NEQ)

GB/T 985.1 gas welding, arc welding, gas welding and beam welding Recommended groove (GB/T 985.1-2008, ISO 9692-1.2003, MOD)

GB/T 985.2 SAW recommended groove (GB/T 985.1-2008, ISO 9692-2.1998, MOD)

GB/T 1147 (all parts) of small and medium power internal combustion engines

GB/T 1184 shape and position tolerances without individual tolerance value (GB/T 1184-1996, eqv ISO 2768-2. 1989)

GB/T 1243 Short pitch transmission precision roller chains, bush chains, attachments and sprockets (GB/T 1243-2006, ISO 606.2004, IDT)

GB/T 1591 high strength low alloy structural steel

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 3847 from compression-ignition engines and compression-ignition engine vehicle exhaust smoke emission limits and measurement methods