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

SN/T 2873-2011

**Rules for the inspection of general purpose overhead cranes
for export**

(English Translation)

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1 Scope

This Standard specifies the basic procedures, inspection requirements, as well as the rules for determining inspection results for the inspection of general-purpose overhead cranes for export.

This Standard is applicable to the inspection of general-purpose overhead cranes for export.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) is applicable to this document.

GB/T 3811-2008 Design Rules for Cranes

GB 5226.2-2002 Safety of Machinery - Electrical Equipment of Machines - Part

32: Requirements for Hoisting Machines

GB 5905-1986 Cranes - Test Code and Procedures

GB/T 6067.1-2010 Safety Rules for Lifting Appliances - Part 1: General

GB/T 14405-2011 Bridge Crane for General Purpose

GB/T 15052-2010 Cranes - Safety Signs and Hazard Pictorials - General

Principles

GB/T 20303.5-2006 Cranes - Cabins - Part 5: Overhead Travelling and Portal

Bridge Cranes

3 Terms and Definitions

For the purpose of this document, the following terms and definitions apply.

3.1 Inspection lot

The unit products of the same specification, model, and production conditions assembled for the purpose of sampling inspection are called inspection lot, or lot for short.

3.2 General purpose overhead crane

For the ordinary purpose overhead cranes, its spreader is one of hook, grab or electromagnetic chuck, or two or three of them are used at the same time.

3.3 Overhead traveling crane

The overhead crane that the two ends of the bridge are directly supported on the elevated track through the running device.

4.1 Safety and health requirements

The safety and health requirements shall comply with the relevant provisions of GB 5226.2, GB/T 6067.1, GB/T 14405, GB/T 15052, GB/T 20303.5. See Table 1.

4.2 Basic performance requirements

The basic performance requirements shall comply with the relevant provisions of GB/T 14405. See Table 1.

Table 1 - Inspection Items, Technical Requirement, Inspection Methods and Unqualified Classification of the General-Purpose Overhead Crane for Export

5.1 Inspection conditions

5.1.1

The manufacturer shall implement the technical standards for product design, manufacturing, and inspection confirmed by the supplier and the purchaser in the export crane contract, as well as the national laws and regulations on inspection, environmental protection, safety and health of export commodity.

5.1.2

The manufacturer shall provide the product quality certificate within the validity period, as

well as the necessary test reports and test data within the specified period.

5.1.3 During the inspection period, in addition to the regular maintenance and

adjustment of export cranes or parts according to provisions, no adjustment, repair or replacement shall be made.

5.1.4 All test conditions, methods and specifications shall comply with the provisions of GB 5905. If there are other provisions in the contract or in the process of performing the contract, the supplier and the purchaser shall modify and supplement the technical requirements, inspection methods, locations, content (items) of the contract products and the provisions confirmed by both parties shall also be implemented.

5.1.5 The measurement accuracy of various parameters shall comply with the relevant provisions of GB/T 14405.

5.2 Inspection mode

The inspection mode is one hundred percent inspection.

5.3 Inspection items

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