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

GB/T 24809.2-2015

**Cranes -- Requirements for mechanisms -- Part 2: Mobile
cranes**

(English Translation)

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Foreword

GB/T 24809 Cranes - Requirements for mechanisms consists of the following

5 parts.

- Part 1. General;
- Part 2. Mobile cranes;
- Part 3. Tower cranes;
- Part 4. Jib cranes;
- Part 5. Bridge and gantry cranes.

This Part is the second part of GB/T 24809.

This Part was drafted in accordance with the rules given in GB/T 1.1-2009.

This Part uses translation method and identically adopts ISO 10972-2:2009

Cranes - Requirements for mechanisms - Part 2. Mobile cranes.

The Chinese documents which have consistency with the international normative references in this Part are as follows.

- GB/T 6974.1-2008 Cranes - Vocabulary - Part 1. General (ISO 4306-1:2007, IDT)

- GB/T 6974.2-2010 Cranes - Vocabulary - Part 2. Mobile cranes (ISO 4306-2.1994, IDT)
- GB/T 20863.2-2007 Cranes - Classification - Part 2. Mobile cranes (ISO 4301-2.1985, IDT)
- GB/T 24809.1-2009 Cranes - Requirements for mechanisms - Part 1. General (ISO 10972-1.1998, IDT)
- GB/T 24810.1-2009 Cranes - Limiting and indicating devices - Part 1. General (ISO 10245-1.2008, IDT)
- GB/T 24810.2-2009 Cranes - Limiting and indicating devices - Part 2. Mobile cranes (ISO 10245-2.1994, IDT)
- GB/T 24811.2-2009 Cranes and lifting appliances - Selection of wire ropes - Part 2. Mobile cranes - Coefficient of utilization (ISO 4308-2.1988, IDT)
- GB/T 26472-2011 Mobile cranes - Drum and sheave sizes (ISO 8087.1985, IDT)

This Part makes the following editorial modifications.

- in accordance with requirements of GB/T 1.1, for easy use of standard, added the next level numbers of 4.1, 4.2, 5, 7.1, 7.2, 7.3.

This Part was proposed by China Machinery Industry Federation.

This Part shall be under the jurisdiction of National Technical Committee on Hoisting Machinery of Standardization Administration of China (SAC/TC 227).

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Cranes - Requirements for mechanisms -

Part 2. Mobile cranes

1 Scope

This Part of GB/T 24809 establishes requirements specific to the mechanisms of mobile cranes, in addition to the general requirements for cranes given in

ISO 10972-1.

These additional requirements concern

- a) the arrangement, features and characteristics of the crane mechanisms, and
- b) the minimum requirements for certain mechanism components.

Rules for the proof of competence calculation regarding different limit states (yield strength, fatigue, wear) are excluded from this Part.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4301-2 Cranes - Classification - Part 2. Mobile cranes

ISO 4306-1 Cranes - Vocabulary - Part 1. General

ISO 4306-2 Cranes - Vocabulary - Part 2. Mobile cranes

ISO 4308-2 Cranes and lifting appliances - Selection of wire ropes - Part 2.

Mobile cranes - Coefficient of utilization

ISO 8087 Mobile cranes - Drum and sheave sizes

ISO 10245-1 Cranes - Limiting and indicating devices - Part 1. General

ISO 10245-2 Cranes - Limiting and indicating devices - Part 2. Mobile cranes

ISO 10972-1 Cranes - Requirements for mechanisms - Part 1. General

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