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

GB/T 22418-2008

**Industrial trucks -- Additional requirements for automated
functions on trucks**

工业车辆 车辆自动功能的附加要求

(English Translation)

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Foreword

This standard is identical with ISO 24134:2006 "Additional requirements for automated functions Industrial Vehicles" (in English).

This standard is equivalent to translate ISO 24134:2006.

For ease of use, this standard made the following editorial changes.

--- "This International Standard" be replaced by "this standard";

--- Deleted international standards foreword and directory;

--- For the ISO 24134:2006 international standard references, has been adopted by international standards instead of our standard corresponding to the remainder it has not been adopted as our standards are direct reference to international standards;

--- International standard from 4.1 to 4.13 are listed in tabular form compiled in Table 1, the international standards in Table 1 to Table 2;

--- International standard Chapter 2 "ISO 20898. ---" to not dated references, content directly written to standard text.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee Vehicle (SAC/TC332) centralized.

This standard was drafted. Beijing Materials Handling Research Institute.

1 Scope

This standard specifies the safety requirements for industrial vehicles (hereinafter referred to as vehicle) following the automatic function control means and control systems.

- Steering (except direct mechanical guide);
- run;
- Lifting and lowering;
- Load manipulation, such as rotating, forward, swing, tilt clamping;
- A combination of the above actions and/or sorting.

NOTE: The control system is typically part of the vehicle, but may also include components other than a vehicle, such as automatic steering guide means.

The ISO 3691 standard should be used in conjunction with each of the applicable section.

Restricted content in the range of ISO 3691 each of the applicable section in the chapter are also applicable to this standard.

This standard does not apply to the following cases, and does not contain requirements for the following conditions.

- Used to limit the safety device operated by the driver (for example, height limiter, speed limiter);
- Operation (such as extreme weather, cold storage, strong magnetic fields) in harsh conditions;
- Work (eg potentially explosive atmospheres) in compliance with specific standards environment;
- Electromagnetic compatibility;
- Passenger transport;
- When transporting loads, the nature of the load may cause hazardous conditions (eg molten metal, acids/bases, radioactive materials).

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 15706.2-2007 Safety of machinery - Basic concepts, general principles for design - Part 2. Technical principles (ISO 12100-2.

2003, IDT)

GB/T 16855.1-2008 Safety of machinery - Safety-related control system components - Part 1. General principles for design (ISO 13849-1.

2006, IDT)

ISO 3691-1 industrial vehicles - Safety requirements and verification - Part 1. In addition to unmanned, self vehicle and trailer outside the telescopic boom Industrial vehicle line 1) ISO 3691-2 industrial vehicles - Safety requirements and verification - Part 2. Self-propelled telescopic vehicle 1) ISO 3691-3 industrial vehicles - Safety requirements and verification - Part 3. The console can lift vehicles and designed with play Liter load operation of a vehicle Additional requirements 1) ISO 3691-4 industrial vehicles - Safety requirements and verification - Part 4. Driverless industrial vehicles and systems 1) ISO 3691-5 industrial vehicles - Safety requirements and verification - Part 5. Walk type vehicle 1) ISO 3691-6 industrial vehicles - Safety requirements and verification - Part 6. trailer 1) ISO 20898 Industrial vehicle electrical requirements 2)

1) forthcoming (ISO 3691. 1980 revision).

2) forthcoming (equivalent to EN1175-1:1998).

GB/T 22418-2008/ISO 24134:2006