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

GB/T 16178-2011

Replacing GB/T 16178-1996

**Safety examinations and technical requirements for powered
vehicles on the place used for a particular purpose**

场（厂）内机动车辆安全检验技术要求
(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 16178-1996 "Technical requirements for safety inspection of motor vehicles in the factory".

This standard compared with GB/T 16178-1996, the main changes are as follows.

- Added Chapter 3 "Terms and Definitions";
- removed the previous "3.1 ~ 3.14" of the "vehicle classification";
- increased "5.3.7", "after the release of the accelerator pedal, should ensure that it can automatically reset.";
- increased "5.6.3", "the driving brake in the first time to take the braking measures should be able to achieve maximum braking performance.";
- Added "5.6.9", "After releasing the brake pedal, the brake system should be fully released."
- increased the "5.6.10", "crawler-type car in a flat and solid soil pavement, slope of 20% of the ramp, should be normal Start and travel; the implementation of parking brake, the braking distance should not be greater than the track grounding length. ";
- "5.6.13", "parking brake device in the ramp test, the functional requirements should meet the relevant standards set";
- increased "5.7.1.2", "headlight beam irradiation position should remain stable; with far, near light conversion device headlamp light should be in line with the relevant requirements of GB 7258 ";
- Added "5.7.1.3", "the vehicle with the work light set, the driver should be able to see the work of the situation."
- "6.1.2", "forklift working device";

--- Added "6.2", "hydraulic system".

This standard is proposed by the State Administration of Quality Supervision, Inspection and Quarantine.

This standard by the State Administration of Quality Supervision, Inspection and Quarantine Special Equipment Safety Supervision Bureau.

This standard drafting unit. Wenzhou City, Zhejiang Province special equipment testing center.

1 Scope

This standard specifies the inspection requirements of the safety technology in the use of motor vehicles (hereinafter referred to as vehicles) in the field.

This standard applies to the presence of (factory) within the driving or engaged in production operations of motor vehicles.

This standard does not apply to the military, public security, agricultural sector management of motor vehicles.

Note: The main technical content of this standard does not involve the design and manufacture of the vehicle technical requirements.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB 4599 automotive headlamps with light performance GB 9656 automotive safety glass Performance and installation requirements for rearview mirrors for motor vehicles Performance and part strength of brakes for motorized industrial vehicles GB/T

3 Terms and definitions

The following terms and definitions apply to this document.

Field (factory) motor vehicle powered vehicles on the place used for a particular purpose in addition to troops, road traffic, agricultural vehicles, driven by the power plant or traction only in the business premises, factory sites, tourist attractions, Recreational areas, airports, ports, or terminals.

Wheeled car rolernobile for special purpose Driven by power, the design has a special structure and special functions, equipped with wheels, only the presence (factory) within the driving and engaged in the production of the wheel Special vehicles. Including forklift,

push car, tractor, van, dump truck, clean car, sprinkler, wheel loader, wheeled excavator, wheel Wheel loaders, wheeled bulldozers, wheeled graders, wheeled scraper, wheeled pipe machines, wheeled stabilized soil mixers, wheeled rollers, wheels Type paver, wheeled road milling machine, wheeled road edge paving machine.

Crawler dedicated car crawlermobileforspecialpurpose Driven by power, specially designed and specialized in design, equipped with track, only in the field (factory) driving and engaged in production operations Belt special vehicles. Including crawler excavators, crawler loaders, crawler scraper, crawler bulldozers, crawler tunnel boring machines, Crawler-type pipe machine, crawler-type stable soil mixing machine.

Car motorvehicle

Driven by power, with three or more wheels of the carrying vehicles, only in the field (plant) for the transport of personnel, goods and other special use. Including buses, trucks, dump trucks and so on.