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**Earth-moving machinery - Wheeled loaders - Technical
specifications**

土方机械 轮胎式装载机 技术条件

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard is proposed by the China Machinery Industry Federation. This standard by the National Earth Machinery Standardization Technical Committee (SAC/TC334) centralized. This standard is drafted by Tianjin Engineering Machinery Research Institute, China Lonking Holdings Co., Ltd., Foton Lovol International Heavy Industries Co., Ltd. Company, XCMG Engineering Machinery Co., Ltd. Science and Technology Branch, Chengdu, Sichuan Chenggong Construction Machinery Co., Ltd., Guangxi Liugong Machine Machinery Co., Ltd., Xiamen, Xiamen Engineering Machinery Co., Ltd., Xiamen City, Product Quality Supervision, Inspection and Quarantine [State Market (plant) within the quality of motor vehicles Quantity Supervision and Inspection Center], Zhengzhou Yutong Heavy Industry Co., Ltd. Participated in the drafting of this standard. Shandong Lingong Construction Machinery Co., Ltd., Caterpillar (Qingzhou) Co., Ltd., John Deere (Tianjin) have Limited, Xiamen Loader Co., Ltd. The main drafters of this standard. Jia Xiaowen, Chen Shu Qiao, Chen Chao, Chu Chenggao, Wu Lingyun, Zhu Pei He, Su Peiran, Zeng Guang'an, Li Weiping, Huang Zhiqiang, Qu Jun slope, Chi Feng, Li Yu, Liu Cailing, Yu Ming Huan, Wang Xiaozhong. Earthmoving machinery wheel loader technical conditions

1 Scope

China's national specification for wheeled loaders. It specifies the terms and definitions, the models, the requirements, the test methods, the inspection rules and the marking, packaging, transport and storage, and it applies to the wheel loaders defined in GB/T 8498. The wheeled loader is the most widely used earth-moving machine there is, and China builds more of them than the rest of the world combined. Its virtue is versatility: articulated in the middle so it turns in its own length, it loads trucks, stockpiles material, feeds crushers, clears snow, handles pallets and carries whatever a quick-coupler will hold. That range is what makes a technical specification worth writing, because a machine used for everything is bought on figures that must be comparable - breakout force, tipping load at full turn, bucket capacity, cycle time - and each of those can be quoted several ways. Fixing the definitions and the test methods is what stops the numbers in a brochure being a matter of taste.

This standard specifies the terms and definitions of tire loaders, models, requirements, test methods, inspection rules, signs, packaging, transportation and Storage. This standard applies to GB/T 8498 provisions of the wheel loader (hereinafter referred to as loader), other types of loaders can also refer to use.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 3766 Hydraulic System General Specifications

GB/T 8419 Earth-moving machinery driver's seat vibration laboratory evaluation

GB/T 8498 earthmoving machinery basic type identification, terms and definitions Hydraulic fluid - Particulate code for the determination of solid particles pollution level GB/T 14039-2002

GB 16710 earth machinery noise limits

GB/T 18826 Industrial 1,1,1,2-tetrafluoroethane (HFC-134a) GB .20178 Earth-moving machinery and machinery safety labels General

GB 20891 Non-road mobile machinery exhaust emission limits and measurement methods of diesel engines (China's third and fourth phase)

GB/T 21942 earthmoving loaders and front shovels bucket capacity calibration Earth - moving machinery

GB/T 22358 protection and storage Earth-moving machinery

GB/T 25602 machine usability terms

GB/T 25604 earthmoving machinery terminology and commercial specifications

GB/T 25606 Earth moving machinery product identification code system

GB/T 25622 Earth-moving machinery driver manual content and format Earth - moving machinery safety - Part 1. General requirements Earth - moving machinery - Safety - Part 3. Loader requirements

GB/T 28239 non-road diesel fuel consumption and oil consumption rate limits and test methods Earth - moving machinery - Wheel loaders - Test methods

3 Terms and definitions

GB/T 8498, GB/T 25602 and GB/T 25604 defined terms and definitions apply to this document.