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

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**Earth-moving machinery - Crawler tractor-dozers - Technical
specifications**

土方机械 履带式推土机 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 Shantui Construction Machinery Co., Ltd., Tianjin Construction Machinery Research Institute, Zoomlion Co., Ltd., New Hing Shan (Tianjin) Heavy Industry Co., Ltd., Xiamen Engineering (Sanming) Heavy Machinery Co., Ltd. Participated in the drafting of this standard. Hebei Xuanhua Construction Machinery Co., Ltd., Shanghai Pengpu Machinery Co., Ltd., Caterpillar (Green State) Co., Ltd., Guangxi Liugong Machinery Co., Ltd. The drafters of this standard. Liu Chunchao, Li Guangqing, Yang Xichuan, Xie Guanfu, Xu Yuanqin, Ren Jie, Chen Baoming, Li Yu, Tan Zuozhou.

Earth-moving machinery track-type tractor Technical conditions

1 Scope

China's national specification for crawler bulldozers. It specifies the terms and definitions, the classification, the requirements, the test methods, the inspection rules and the marking, packaging, transport and storage, for machines above a stated net engine power. The crawler dozer is the oldest machine in the earth-moving family and still the one that moves the most material per hour over short distances. Tracks give it the traction to push a full blade and the flotation to work on ground a wheeled machine would sink into, and a ripper on the back lets it break rock that would otherwise need blasting. What a specification for it has to pin down is the numbers a buyer compares: blade capacity, which can be quoted several ways for the same blade; drawbar pull, which depends on how the machine is ballasted; and the operating weight, which is the figure everything else scales from and which is meaningless without saying what is included. Fixing those definitions is most of the standard's practical value.

This standard specifies the terms and definitions crawler tractors, classification, requirements, test methods, inspection rules and signs, packaging, transportation and Storage. This standard applies to the engine net power 60kW ~ 400kW mechanical transmission, hydraulic mechanical transmission and hydrostatic transmission type Crawler Dozer (hereinafter referred to as bulldozer). Bulldozer derivatives (such as push rake),

variant products, and net power greater than 400kW Bulldozers can also refer to the 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 8419 Earth-moving machinery driver's seat vibration laboratory evaluation

GB/T 8498 earthmoving machinery basic type identification, terms and definitions

GB/T 8590 bulldozer terminology

GB/T 8593.1 Earth moving machinery - Symbols for driver's controls and other display devices - Part 1. Generic symbols

GB/T 8593.2 earthmoving machinery - Symbols for driver's and other displays - Part 2. Machines, work equipment and accessories Special symbol of the piece

GB/T 8595 earth-moving machinery driver's operating device

GB/T 14039 hydraulic transmission fluid solid particles pollution level code

GB 16710 earth machinery noise limits

GB/T 16936 earthmoving machinery net power test specification

GB/T 18577.1 Earthmoving machinery - Definition of dimensions and symbols - Part 1

GB/T 18577.2 Earth-moving machinery - Dimensions and symbols - Definitions - Part 2 - Working equipment and attachments

GB/T 19929 Earth-moving machinery - Tracked machinery braking system performance requirements and test methods 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) Earth - moving machinery