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

GB/T 35195-2017

**Earth-moving machinery - Non-road mechanical drive mining
dumpers - Technical specifications**

土方机械 非公路机械传动矿用自卸车 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 Inner Mongolia North Heavy Vehicle Co., Ltd., Xiangtan Electric Co., Ltd., Tianjin Construction Machinery Institute, Zhengzhou Yutong Heavy Industries Co., Ltd., Qinhuangdao Tianye Communications Heavy Industry Co., Ltd., Sany Mine Machinery Co., Ltd. Participated in the drafting of this standard. Shaanxi Tongli Heavy Industries Co., Ltd., Volvo Construction Equipment (China) Co., Ltd., Benxi North Machine Heavy truck limited liability company. The main drafters of this standard. Li Laiping, Zhu Guanghui, Wu Hongli, Yu Li Xiang, Wang Jinxiang, Cao Zhichun, Fan Cuiling, Zhu Haiyan, Zou Bin, Pei Jie, Li Su-ping, Zhu Hongbo, over the city. Earth-moving machinery non-road mechanical drive mining dump truck Technical conditions

1 Scope

China's national specification for rigid frame non-road mechanical drive mining dump trucks. It specifies the terms and definitions, the requirements, the inspection rules, the test methods and the marking, packaging, transport, storage and accompanying documents. Mechanical drive means the engine turns the wheels through a torque converter, a gearbox and a driveline, which is the arrangement used in the smaller and middle sizes of mining truck. It is simpler, cheaper and easier to maintain than the electric alternative, and it is more efficient on level ground; what it does not do well is a long steep descent, because retarding a loaded truck downhill through a transmission puts all that energy into the brakes and the cooling that serves them. So the choice between mechanical and electric drive is made from the mine's haul profile, and the two are specified separately - this document and its companion - because their requirements genuinely differ.

This standard specifies the terms and definitions, requirements, inspection rules, test methods, signs, packaging, transportation Lose, store and random file. This standard applies to rigid rack non-road mechanical drive mining dump truck (hereinafter referred to as dump truck).

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 191 Packaging - Pictorial signs

GB/T 1190 construction machinery tire technical requirements

GB/T 2883 construction machinery rims specifications series

GB/T 3766 hydraulic drive systems and components of the general rules and safety requirements Test method for ride comfort of vehicles

GB/T 8410 combustion characteristics of automotive interior materials

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

GB/T 8592 Determination of steering size of the machine

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 13306 signs Hydraulic fluid - Particulate code for the determination of solid particles pollution level GB/T 14039-2002

GB/T 14781 earthmoving machinery tire machine steering requirements

GB 16710 earth machinery noise limits Earth-moving machinery - Seat belts and fasteners - Performance requirements and tests Earth - moving machinery - Definitions of dimensions and symbols - Part 1. Main engine Earth-moving machinery lighting, signaling and marking lamps and reflectors GB/T 20418-2011