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

GB/T 36974-2018

**Earth-moving machinery - Forklift wheel loaders - Technical
specifications**

土方机械 轮胎式叉装机 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 was proposed by the China Machinery Industry Federation. This standard is under the jurisdiction of the National Earthmoving Machinery Standardization Technical Committee (SAC/TC334). This standard is drafted by: Xiamen Xiajin Machinery Co., Ltd., Fujian Jingong Machinery Co., Ltd., Anhui Heli Co., Ltd. Division, Xiamen Product Quality Supervision and Inspection Institute [National Field (Factory) Motor Vehicle Quality Supervision and Inspection Center], Tianjin Engineering Machinery Research Institute Limited the company. Participated in the drafting of this standard. Guoji Heavy Industry Group Changlin Co., Ltd. The main drafters of this standard. Shen Guangwei, Zhao Jiahong, Xia Wanjun, Wang Yifeng, Shang Haibo, Zhuang Honghui, Huang Zhiqiang, Zheng Jingliang, Zhou Yongmei. Technical condition of earthmoving machinery tire type forklift

1 Scope

China's national specification for forklift wheel loaders. It specifies the terms and definitions, the models, the requirements, the test methods, the inspection rules and the marking, packaging, transport and storage, with an informative annex. The machine is a wheel loader whose bucket has been replaced by a fork carriage, and it sits in a gap that neither of its parents fills. An industrial forklift is built for flat concrete and cannot work on unmade ground; a telescopic handler is expensive; and a loader with forks bolted on has the reach and the visibility of a loader, which is to say the wrong ones for handling pallets. The specified machine is designed for the job: articulated, with the load carried low and close, and rated for the rough ground of a builders' merchant, a timber yard, a brickworks or a farm. Its critical figure is the rated capacity at a stated load centre, which is where a machine derived from a loader has to be tested honestly rather than assumed from its lifting

capacity.

This standard specifies the terms and definitions, models, requirements, test methods, inspection rules and regulations of the tire-type forklift (hereinafter referred to as the forklift). Marking, packaging, transportation and storage. This standard is applicable to tire-type forklift machines with a rated loading and unloading load of not less than 8000kg.

2 Normative references

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

GB/T 1190 Engineering Machinery Tire Technical Requirements

GB/T 2883 Engineering Machinery Rim Specification Series

GB/T 2980 Construction Machinery Tire Specifications, Dimensions, Air Pressure and Load General rules and safety requirements for

GB/T 3766 hydraulic drive systems and their components

GB/T 8419-2007 Laboratory evaluation of the vibration of the driver's seat of earth-moving machinery

GB/T 8420 earth-moving machinery driver's size and driver's minimum activity space

GB/T 8498 earthmoving machinery basic type identification, terminology and definition

GB/T 14039-2002 Hydraulic transmission oil solid particle pollution level code

GB/T 14781 earthmoving machinery tire type machine steering requirements

GB/T 16937 earth-moving machinery driver vision test method and performance criteria

GB/T 18826 Industrial 1,1,1,2-tetrafluoroethane (HFC-134a) GB .20178 Earth-moving machinery machine safety label general rules

GB/T 20418 earthmoving machinery lighting, signal and sign lights and reflectors

GB 20891 Diesel engine exhaust pollutant emission limits and measurement methods for non-road mobile machinery (China's third and fourth stages)