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

GB/T 21154-2014

Replacing GB/T 21154-2007

**Earth-moving machinery -- Methods of measuring the masses
of whole machines, their equipment and components**

土方机械 整机及其工作装置和部件的质量测量方法

(English Translation)

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Foreword

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

"Quality measurement methods earthmoving machinery machine, their equipment and components." This standard replaces GB/T 21154-2007, this standard Compared with GB/T 21154-2007, in addition to editorial changes outside the main technical changes are as follows.

- Increasing the number of terms and definitions, delete a terms and definitions, modify the relevant terms and definitions (see Chapter 3, 2007 the first edition chapter 3);
- Measurement methods "indirect measurement" to "accumulate Measurement" (see 3.3.2 and 54, 2007, version 3.3.2 and 5.4.);
- Added "axis bridge load Measurement" (see 5.5);
- Information about the quality of the measurement application examples (see Chapter 6);
- Relevant provisions were modified and adjusted;
- Deleted Appendix A (see 2007 edition of Appendix A).

This standard uses the translation method identical with ISO 6016:2008 "Quality Measurement party earthmoving machinery machine, their equipment and parts law".

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

- GB/T 8498-2008 moving machinery - Basic types - Identification and terms and definitions (ISO 6165:2006, IDT)
- GB/T 21153-2007 moving machinery size, performance and parameters of units and the measurement accuracy (ISO 9248:1992, MOD) this standard made the following editorial changes.
- Note 1, the "In Case loader" to "In Case backhoe loaders";

--- Revised Figure 3 and Figure 5, the center axis of the bridge to the center platform, move the blade support wheel center line;

--- Remove the reference numeral 1 in FIG. 6 under the horizontal line.

This standard by the national earthmoving machinery Standardization Technical Committee (SAC/TC334) and focal points.

This standard was drafted. Tianjin Institute of Mechanical Engineering, Xiamen, Xiamen Engineering Machinery Company Limited.

Drafters of this standard. Wu Yun Cai, Li Wei Ping.

This standard replaces the standards previously issued as follows.

--- GB/T 21154-2007.

Earth-moving machinery and machine equipment and components the quality measurement methods

1 Scope

This standard specifies the use of land in the balance or force sensor, the quality of the whole earth-moving machinery and work equipment, attachments or parts measurement method. This standard also defines the terms of these quality-related.

This standard applies to ISO 6165 definition of earthmoving machinery.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 6165 Earth - moving machinery - Basic types - Identification and terms and definitions (Earth-movingmachinery-Basic types-Identificationandtermsanddefinitions) Units and Measurements accuracy ISO 9248 Earth-moving machinery size, performance and parameters (Earth-movingmachinery-Units for dimensions, performanceandcapacities, andtheirmeasurementaccuracies)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 General terms

3.1.1

Host basemachine

The machine does not work with the device or accessory devices, but is equipped with a connector device or installation required attachments, if desired, can be equipped with Preparation cab driver or hangar and protection structures.

NOTE: The examples in Figure 1.

3.1.2

Working device equipment for the implementation of the basic design features of the machine, installed on the host (allows attachment) a set of components.

NOTE: The examples in Figure 1.

3.1.3

Selectable operating means optionalequipment the optional member mounted to the host or working device, e.g., to increase capacity, flexibility or increased comfort.

3.1.4

Attachment for specific purposes, parts installed on the host device or assembly work.

NOTE: The examples in Figure 1.