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

GB/T 25604-2017

Replacing GB/T 25604-2010

**Earth-moving machinery -- Loaders -- Terminology and
commercial specifications
(English Translation)**

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Foreword

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

This standard replaces GB/T 25604-2010 "earthmoving machinery terminology and commercial specifications." This standard and GB/T 25604-2010, in addition to editorial changes, the main technical changes are as follows.

- Modify the normative references, delete GB/T 10168 and GB/T 14781 two references (see Chapter 2, 2010 Year version of Chapter 2);
- Modify the English definition of fork, "paletfork" to "forkarm", and added the contents of the note (see 3.3.4, 2010 edition 3.3.1.5);
- Modify the annotation of Figure 7, redefined Figure 10 is "track turning steering crawlerpivotsteer", Figure 11 for the "track alone Steer or Track Slip Steering crawlerindependentsteerorcrawlerskidsteer" (see 4.1.3.3, 4.1.3.6 and 4.1.3.7, 2010 edition 4.1.3);
- Modify the description in Figure 16 and replace "Rocker belcrank" with "Z-link link, Z-bar" and delete the legend (see 5.1, 2010 version 5.1);
- Modify Figure 21 and Figure 24 (see 5.2, 2010 version 5.2);
- Modify the term net engine power (see 6.1, 2010 version 6.1);

- Increase the maximum lift to enhance the ability of the term (see 6.3);
- Modify the appendix A symbols HH14, HH15, LL5 and AA5 corresponding to the legend;
- Modify the reference;
- Updated Chinese index and English index.

This standard uses the translation method identical with ISO 7131:2009 "earthmoving machinery terminology and commercial specifications." the documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

Earth - moving machinery; Determination of steering dimensions of tire machines (eqvISO 7457.1997);

--- GB/T 10175.1-2008 earthmoving machinery and backhoe loaders Part 1. Calculation of rated working load and Test method for verification of tipping load calculation (ISO 14397-1:2007, IDT);

--- GB/T 10175.2-2008 Earth moving machinery loaders and backhoe loaders Part 2. Breaking up force and the maximum lifting height Test Methods to Improve Capabilities (ISO 14397-2:2007, IDT);

Earth moving machinery speed measurement (ISO 6014:1986, MOD);

--- GB/T 16936-2007 earthmoving machinery engine net power test code (ISO 9249:1997, MOD);

Earth - moving machinery - Performance requirements and test methods for tracked machinery brake systems (ISO 10265.:2004).

2008, MOD);

Earth - moving machinery - Mechanical performance requirements and test methods for tire type machinery braking systems (ISO .

1996, IDT);

--- GB/T 21405-2008 Reciprocating internal combustion engine power determination and measurement of exhaust pollutant emissions test Additional requirements (ISO 14396:2002, IDT).

For ease of use, this standard made the following editorial changes.

- Extend the length of the GRP indicator line in Figure 15 to avoid ambiguity;
- Figure 17 added sub-graph title, to avoid ambiguity;
- Adjust the angle of "AA5" marked position in Figure 18;

--- Added Chinese and English index.

This standard is proposed by the China Machinery Industry Federation.

This standard by the National Earth Machinery Standardization Technical Committee (SAC/TC334) centralized.

1 Scope

This standard specifies the GB/T 8498 as defined in the earthwork for the self-track and wheel loaders and their working device Terminology and commercial specifications and technical documents.

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 8498-2008 earthmoving machinery basic type identification, terms and definitions (ISO 6165:2006, IDT) GB/T 18577-2008 (all parts) Earthwork machinery dimensions and symbols of the definition [ISO 6746:2003 (all parts), IDT] GB/T 21154-2014 earthmoving machinery and its work equipment and components of the quality measurement method (ISO 6016:2008, IDT) ISO 3450 Earthmoving Machinery - Performance Requirements and Test Methods for Tire System Brake Systems (Earth-moving machinery-Braking systemsof rubber-tired machines-Systems and performance requirements and test procedures) ISO 6014 earth moving machinery speed determination (Earth-moving machinery-Determination of ground speed) ISO 7457 Earth-moving machinery - Determination of the steering dimensions of a wheeled machine (Earth-moving machinery-Measurement of turning dimensionsof wheeled machines ISO 9249 earthmoving machinery engine net power test specification (Earth-moving machinery-Engine test code-Net power ISO 10265 Earth-moving machinery - Tracked machinery braking system performance requirements and test methods (Earth-moving machinery-Crawler machines-Performance requirements and testing procedures for braking systems) ISO 14396 Reciprocating internal combustion engines - Determination and measurement of engine power - Additional requirements for exhaust pollutant emission tests (Re-ciprocating internal combustion engines-Determination and method for the measurement of engine power-Additional requirements for exhaust emission tests in accordance with ISO 8178) ISO 14397-1 earth moving machinery loaders and backhoe loaders Part 1. Calculation and verification of rated working load Tilting load Test Method for Calculated Values (Earth-moving machinery-Loaders and backhoe loaders-Part 1: Calculation of rated operating capacity and test method for verifying calculated tipping load) ISO 14397-2 Earth

moving machinery loaders and backhoe loaders - Part 2. Determination of lifting force and lifting capacity at maximum lift Test method

(Earth-moving machinery-Loaders and backhoe loaders-Part 2: Test method for measuring breakout forces and lift capacity to maximum lift height)

3 Terms and definitions

GB/T 8498 and GB/T 18577 and define the following terms and definitions apply to this document.