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

GB/T 13331-2014

Replacing GB/T 13331-2005

Earth-moving machinery -- Hydraulic excavators -- Lift capacity

土方机械 液压挖掘机 起重量

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

Foreword

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

This standard replaces GB/T 13331-2005 "moving machinery - Hydraulic excavator from the weight." This standard and GB/T 13331- Compared to 2005, in addition to editorial changes outside the main technical changes are as follows.

- Add and remove some of the normative references;
- Modify a number of terms and definitions (see 3.2, 3.3 and 3.11 in 2005, version 3.2 and 3.9.);
- Increasing the number of terms and definitions (see 3.11.3,3.14,3.15,3.16,3.17 and 3.18);
- Modify the part of the calculation method (see 4.1, 2005 version 4.1.);
- Removed some test requirements (see 2005 5.3.6);
- Modify the part of the test requirements (see 5.3.7,5.3.9 and 5.4, 2005 edition of the 5.4, 5.5.);
- Modifications and additions about the graphics [Figure 2, Figure 3a) and Figure 3b), 2005 edition of Figures 2 and 3];

This standard uses the translation method identical with ISO 10567:2007 "moving machinery - Hydraulic excavator from the weight" (in English).

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

- GB/T 6572-2014 moving machinery - Hydraulic excavators - Terminology and commercial specifications (ISO 7135:2009, IDT)
- GB/T 21153-2007 moving machinery size, performance and parameters of units and the measurement accuracy (ISO 9248:1992, MOD) The standard proposed by China Machinery Industry Federation.

1 Scope

This standard provides a uniform method to calculate the weight of the hydraulic excavator from the calculated value and validate test procedures, including hydraulic excavators fluid Pressure from the weight limit and the machine tipping over from the weight limit and rated the determination.

This standard applies to ISO 7135 definition of a hydraulic excavator.

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 7135 moving machinery - Hydraulic excavators - Terminology and commercial specifications
(Earth-movingmachinery-Hydraulicexca-vators-Terminologyandcommercialspecifications)

Units and Measurements accuracy ISO 9248 Earth-moving machinery size, performance and parameters (Earth-movingmachinery-Units fordimensions, performanceandcapacities, andtheirmeasurementaccuracies)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Load

Applied to the lifting points of force, including the quality of attachment.

3.2 Lifting points lift point

specified by the manufacturer of the load application or location located bucket attachment bracket. See Figure 1a).

NOTE: For loading bucket or attachment bracket, do not have a bucket cylinder fully extended.

3.3 Lifting points lift point

located pole mount bucket bucket pin center line. Figure 1b).

3.4 Point lifting height

From the ground reference plane (GRP) to enhance the vertical distance between points. see picture 1.

3.5 Lifting points radius

From the machine back to the vertical axis rigging ropes or horizontal distance. see picture 1.