

ICS 53.100

CCS P 97



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

GB/T 30964-2014

**Earth-moving machinery -- Recyclability and recoverability --
Terminology and calculation method**

Issued on: July 24, 2014

Implemented on: January 1, 2015

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

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

This standard uses the translation method identical with ISO 16714.2008 "Earth-moving machinery reusable and recyclable and scoring terms

Calculation method. "

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 21154-2014 earthmoving machinery machine and method for measuring the quality of the work equipment and components (ISO 6016.2008, IDT)

This standard made the following editorial changes.

--- "Reusable 3.10" and "3.11 then use the" mutual exchange numbered;

--- "3.12 total mass transportation" is defined components, delete the counterweight, because ballast included counterweight;

--- 5.4 in the formula increases the number and the percentage increase in the formula symbol "%."

The standard proposed by China Machinery Industry Federation.

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

This standard was drafted. Tianjin Institute of Mechanical Engineering, Xiamen, Xiamen Engineering Machinery Co., Ltd., Zhejiang Jiang Gaoyu hydraulic Electrical Co., Ltd.

Hill redevelopment Machine Co., Ltd.

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Introduction

Scrapped machinery increased the total amount of waste processing required. As part of the life cycle of the machine, at the design stage of the machine on its

Recycling to be considered, it is very important to ensure the environmentally sound disposal.

Now, in addition to considering the design of the machine when the safety, emissions and fuel consumption, but also must consider the re-use of the machine. Therefore, the need

Have a new machine for recycling/reuse capabilities and potential of indicators assessment.

This standard specifies the calculation of the utilization of reusable/recyclable utilization method (with the GB/T 19515-2004 provisions relative to road vehicles

Similar) is based on four main stages of the scrapped machine for processing (pre-processing stage, the dismantling stage, metal and non-metallic residue separation stage

Treated phase). Utilization of renewable/recyclable utilization depends on the new machine design and material properties, but also consider this standard has been mentioned

Of proven technology --- namely those that have been successfully verified (at least through laboratory validation) technology.

Calculation methods in this standard does not reflect the details of the machine to achieve the retirement period of actual processing.

Earthmoving machinery reusable and recyclable

Terminology and calculation methods

1 Scope

This standard specifies (as defined in ISO 6165) can be re-utilization and recoverability rate method for calculating and earthmoving machinery

Definitions of terms, and is represented by the percentage accounted machine quality (mass percentage). These machines may be.

--- Recycling and/or re-use (can be re-utilization);

--- Recycling and/or re-use (recoverability rate).

NOTE. Re-use includes remanufacturing.

This calculation can be performed during the initial machine on the market, completed by the machine manufacturer.

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.

Quality measurement methods ISO 6016 Earth-moving machinery and work equipment and machine parts (Earth-movingmachinery-

Methodsofmeasuringthemasessofwholemachines, theirquipmentandcomponents)

ISO 6165 Earth - moving machinery - Basic types - Identification and terms and definitions (Earth-movingmachinery-Basic types-

Identificationandtermsanddefinitions)

3 Terms and Definitions

As defined in ISO 6016 and the following terms and definitions apply to this document.

3.1

It can be disassembled of dismantlability

It is disassembled from the machine's ability components.

NOTE. rewrite GB/T 19515-2004, definitions 3.5.

3.2

Scrap machine end-of-lifemachine

Life has ended and no longer in use and abandoned machines.

3.3

Recycling recovery

After the re-processing of waste so that it can meet the requirements of its original use or used for other purposes, including to produce energy

Process.

Note 1. Overrides GB/T 19515-2004, definitions 3.4.

Note 2. Figure 1.

3.4

Recyclable recoverability

Components and/or materials may be disassembled from the machine down scrap recycling capacity.

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