Chinastandards.org

ICS 65.060.80
CCS B 96

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 20448.2-2016

Self-propelled machinery for forestry -- Laboratory tests and performance requirements for roll-over protective structures -- Part 2: Machines having a rotating platform with a cab and boom on the platform

自行式林业机械 滚翻保护结构实验室试验和性能要求 第2部分：回转平台上安装驾驶室和起重臂的机械

(English Translation)

Issued on: February 24, 2016 **Implemented on: September 1, 2016**

Issued by: Standardization Administration of China

Preview: page 1 of 4 shown, 17 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-20448-2-2016

Chinastandards.org

Table of Contents

Introduction
1 Scope
2 Normative references
3 Terms and definitions
4 Symbol
5 Test methods and equipment
5.1 General
5.2 Instrument
5.3 Test Equipment
Fixed 5.4 ROPS/slewing platform assembly and attachment on the bottom plate
6 Test loader
6.1 General
6.2 Lateral
6.3 Vertical load
6.4 Longitudinal loading
7 11 temperature and material requirements
8 Performance requirements
9 ROPS mark
9.1 General Requirements
9.2 Marking requirements
9.3 Marked
10 Test reports
Appendix A (normative) comply with section 15 of the test report
References

Foreword

GB/T 20448 "self-propelled forestry machinery ROPS laboratory tests and performance requirements" is divided into two parts.

--- Part 1. General Machinery;

--- Part 2. Mechanical cab and boom slewing platform installation.

This section GB/T 20448 Part 2.

Preview: page 2 of 4 shown, 17 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-20448-2-2016

Chinastandards.org

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

This section uses the translation method identical with ISO 8082-2:2011 "self-propelled forestry machinery ROPS laboratory tests and performance requirements - Part 2. slewing platform is installed on the cab and the boom of the machine." this part made the following editorial changes.

--- References increased by GB/T 20448.1-2012 (ISO standard missing GB/T 20448.1-2012 corresponding international standard ISO 8082-1:2009).

Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 3098.1-2010 Mechanical properties of fasteners Bolts, screws and studs (ISO 898-1:2009, MOD)

--- GB/T 3098.2-2000 Mechanical properties of fasteners coarse thread (idt ISO 898-2:1992)

--- GB/T 6236-2008 Tractors and machinery for agriculture and forestry seat landmarks (ISO 5353:1995, MOD)

--- GB/T 8420-2011 moving machinery physical dimensions of operators and minimum operator space (ISO 3411:2007, IDT)

--- GB/T 17772-1999 laboratory identification limit the amount of deflection of the protective structure moving machinery requirements (idt ISO 3164:1995)

--- GB/T 19365-2012 forestry machinery mobile and self-propelled forestry machinery - Terms, definitions and classifications (ISO 6814:2009, IDT) this part by the State Forestry Administration.

This part of the National Forestry Machinery Standardization Technical Committee (SAC/TC61) centralized.

This section is responsible for drafting unit. Jinjiang City, Fujian Sanli Locomotive.

Participated in the drafting of this section. Shenzhen Graduate School of Harbin Institute of Technology, Zhejiang backbone Technology Co., Ltd. Green Friends Machinery Group Co., Ltd., Shandong Carter Heavy Industry Machinery Co., Ltd., Jiangsu Linhai Power Machinery Group Corporation, Jiangsu Agricultural Equipment Co., Ltd. stalk.

1 Scope

This section GB/T 20448 specifies the under static load uniform, repeatable evaluation of self-propelled forestry machinery Rollover Protective Structure (ROPS) load bearing performance of the method, and provides performance under this load for a typical specimen Claim.

Preview: page 3 of 4 shown, 17 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-20448-2-2016

This section applies to press forestry machinery or mechanical arrangement as defined in ISO 6814 forestry machinery, the machine is equipped with a rotary table cab and boom, is operated by the Department of seat belt operator.

This section does not apply to the lift does not comply with forestry machinery cab ROPS cab fixed lifting apparatus.

2 Normative references

The following documents for the application of this document is essential. For cited documents with dates, only the dated edition applies to this document. For undated references, the latest edition (including any amendments) applies to this document.

ISO 898-1 Mechanical properties of carbon steel and alloy steel fasteners - Part 1. Bolts, screws and studs characteristics grading Coarse thread and fine pitch thread ISO 898-2 Mechanical properties of carbon steel and alloy steel fasteners - Part 2. Nuts Property Grade Coarse thread and fine pitch thread Identification Laboratory deflection limiting volume moving machinery protective structures ISO 3164 requirements ISO 3411 Earth-moving machinery physical dimensions of operators and minimum space ISO 5353 Earth-moving machinery, agricultural and forestry tractors and machinery - Seat index point ISO 6814 Machinery for forestry - Mobile and self-propelled forestry machinery - Terms, definitions and classification

3 Terms and Definitions

The following terms and definitions apply to this document.

bed plate

Test fixture frame when the test completely rigid parts.

[GB/T 19930.2-2014, the definition 3.2]

Preview: page 4 of 4 shown, 17 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-20448-2-2016