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

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**Mobile road construction machinery -- Common safety
requirements [including MODIFICATION 1]**

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Foreword

Chapter 3 of this standard, 5.17, are recommended, other provisions of Appendix F is mandatory.

This standard is modified to adopt the European standard EN500-1.2006 "Mobile road construction machinery - Safety - Part 1. General requirements" (English Chinese version). According to this standard EN500-1.2006 redrafted.

This standard EN500-1.2006 compared, there is a technical difference.

--- deleted the roller section of Appendix A.2;

--- deletion of the appendix ZA EN500-1.

For ease of use, this standard EN500-1.2006 made the following editorial changes.

--- Standard name to "Universal Mobile road construction machinery safety requirements";

FIG title FIG C.1 --- increase "the safety distance A and opening B correlation", Table C.1 title list "and the opening size safe distance";

The term --- "this European Standard" to "this standard";

--- deleted the foreword EN500-1 Introduction;

--- For EN500-1.2006 international standard references have been translated into national standards and industry standards in China, the references of this standard

These national standards and industry standards instead of the corresponding international standards;

--- original items listed in Appendix D D.3.10 changed form;

--- deleted some content has nothing to do with the note.

This standard appendix A, to Appendix B, appendix C, and Appendix E Appendix D is a normative, Appendix F is information appendix.

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee and construction (SAC/TC328) machinery and equipment.

This standard was drafted. Xugong Group Construction Machinery Co., Ltd., Beijing Construction Mechanization Research Institute, peak Heavenly Engineering Machinery shares

Parts Co., Sany Heavy Industry Co., Ltd., Changsha Zoomlion Heavy Industry Science and Technology Development Co., Ltd., Rheinland testing and certification services (China)

Ltd., National Construction Machinery Quality Supervision and Inspection Center.

1 Scope

This standard specifies the mobile road construction machinery design and manufacture of general safety requirements. This standard gives mobile road construction machine

All major mechanical hazard may occur in the intended use and reasonably foreseeable misuse conditions (see Chapter 4), and provides cancellative

In addition to these technical measures appropriate or reduce a significant risk.

This standard applies to in Appendix A mobile road construction machinery and is not particularly required safety standards of other mobile road

Construction machinery.

All types of mobile road construction machinery safety requirements specified in this standard, should specific models of standard safety requirements in combination.

These specific models of standard safety requirements requirements of this standard will not be repeated, but this standard supplement or replace this standard inappropriate part.

For specific models, we should first meet their specific security requirements.

2 Normative references

Terms of the following documents become provisions of this standard by reference in this standard. For dated reference documents, all later

Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to agreements based on this standard

Whether the latest versions of these documents. For undated references, the latest version applies to this standard.

Engineering method of noise sources sound power level a reflecting plane free field GB/T 3767 sound pressure

(GB/T 3767-1996, eqvISO 3744.1994)

Determination GB/T 3768 sound pressure of sound power levels of noise sources using a reflecting plane of the envelope surface of the measuring Simple Method

(GB/T 3768-1996, eqvISO 3746.1995)

GB 4208 shell protection (IP code) (GB 4208-2008, IEC 60529.2001, IDT)

GB 5226.1 Electrical safety of machinery Electrical machinery equipment Part 1. General requirements (GB 5226.1-2008,

IEC 60204-1.2005, IDT)

GB/T 8420 moving machinery with the driver's body size of the minimum space (GB/T 8420-2000, eqv

ISO 3411.1995)

GB/T 8591 Earth-moving machinery - Seat index point (GB/T 8591-2000, eqvISO 5353.1995, Earth-moving

machinery, andtractorsandmachineryforagricultureandforestry-Seatindexpoint)

GB/T 14781 machinery moving machinery wheel steering capability (GB/T 14781-1993, eqvISO 5010.1992, Earth-

movingmachinery-Rubber-tyredmachines-Steeringrequirements)

GB/T 15706.1 Safety of machinery basic concepts general principles for design - Part 1. Basic terminology and methods (GB/T 15706.1-

2007, ISO 12100-1.2003, IDT)

GB/T 15706.2-2007 basic concepts of mechanical safety and General Design - Part 2. Technical Principles (ISO 12100-2.

2003, IDT)

GB 16754 mechanical emergency stop safety design principles (GB 16754-2008, ISO 13850.2006, IDT)

GB/T 16856.1-2008 Safety of machinery - Risk assessment - Part 1. Principles (ISO 14121-1.2007, IDT)

GB 16895.21 building electrical apparatus Part 4-41. safety against electric shock (GB 16895.21-2004,

IEC 60364-4-41.2001, Low-voltageelectricalinstalationsPart 4-41. Protectionforsafety-Protection

againstelectricschock, IDT)

GB/T 17248.2 for machinery and equipment noise emitted operative position and other specified measuring the emission sound pressure levels

A reflecting plane of the free field engineering method (GB/T 17248.2-1999, eqvISO 11201.1995)

GB/T 17299 moving machinery minimum inlet dimension (GB/T 17299-1998, idtISO 2860.1992)

GB/T 17301 earthmoving machinery operation and maintenance of space edges down blunt (GB/T 17301-1998, idtISO 12508.1994)

GB 18209.1-2000 mechanical safety instructions, and the operation flag Part 1. Requirements for visual, auditory and tactile signals
(IdtIEC 61310-1.1995)

GB 20178-2006 moving machinery - Safety signs and hazard pictorials General (ISO 9244.1995, MOD)

GB/T 20418 lighting moving machinery, signals and marker lights and reflectors (GB/T 20418-2006, ISO 12509.1995, MOD)

GB/T 20953 agriculture and forestry combustion characteristics measuring machine cab interior materials (GB/T 20953-2007,

ISO 3795. 1989, Roadvehicles, andtractorsandmachineryforagricultureandforestryDetermination ofburningbehaviourofinteriormaterials, MOD)

GB/T 21155 moving machinery audible alarm sound forward and reverse test methods (GB/T 21155-2007, ISO 9533.

1989, IDT)

GB/T 21405 and measurement methods to determine the reciprocating engine power of an internal combustion engine exhaust pollutants emission tests Additional requirements (GB/T 21405-2008, ISO 14396.2002, IDT)

GB/T 21935 moving machinery can be operated and the range of the comfort region (GB/T 21935-2008, ISO 6682. 1986, IDT)

GB/T 22355-2008 moving machinery articulated frame lock performance requirements (ISO 10570.2004, IDT)

GB 23821-2009 Safety of machinery - Safety distances to prevent danger zones being reached on the lower limbs (ISO 13857.2008, IDT)