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

GB 25518-2010

Underground load-haul-dump - Safety requirements

地下铲运机 安全要求

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Table of Contents

1	Scope
1.1	Risk of crushing
1.2	Cut dangerous Table 1 (continued) No. dangerous
1.3	Cutting or severing hazard
1.4	Winding danger
1.5	Introduce or involved in dangerous
1.6	Shock hazard
1.7	Stabbed or pricked dangerous
1.8	Friction or abrasion hazard
2	Normative references
2.3	Electrostatic phenomena
2.4	Electric cable reels and LHD LHD run sync
2.5	Ungrounded electric LHD body protection
2.6	Electric LHD main circuit insulation resistance value inappropriate
2.7	Motor Selection installation errors
2.9	Control circuit failure
3	Terms and Definitions
4	Dangerous List
5	Safety requirements and/or safety measures and determination
5.1	General Requirements
5.3	Hydraulic System
5.3.3	Inflatable accumulator
5.4	Electrical Equipment
5.4.1	General requirements
5.4.2	Cable
5.4.3	Battery Technical Requirements
5.5	Electric LHD
5.6	Diesel LHD
5.6.4	Fuel System
5.7	Remote LHD
8.3	Inappropriate Face lighting Table 1 (continued) No. dangerous
8.5	Human Error

- 8.6 Working position insufficient visibility
- 9.6 Energy cutting device
- 9.7 Emergency stop devices
- 10.1 Control system fault/imbalance
- 12 Energy failure
- 16.1 No movement occurs when a driver driving position
- 16.2 All movement occurs when
- 16.3 Parts not in a safe condition
- 16.4 Runtime swing too large
- 17.2 Emissions/hypoxia in the working position
- 17.3 Fire (flammable cab, lack of extinguishing measures)
- 18.2 Manual control and operation poorly designed
- 18.3 Brake Failure Table 1 (continued) No. dangerous
- 18.4 Steering failure
- 19.1 Engine selection incorrect installation, use, improper maintenance
- 19.2 Dangerous engine and battery caused

Foreword

The standard Chapter 3, Chapter 4, Section

5.1.1 are recommended, the rest are mandatory. The standard proposed by China Machinery Industry Federation. This standard by the National Mining Machinery Standardization Technical Committee (SAC/TC88) centralized. This standard is drafted by: Sinosteel Hengyang Heavy Machinery Co., Ltd. Participated in the drafting of this standard. Luoyang Mining Machinery Engineering Design Institute Co., Ltd., Nanchang Kama Co., national security Changsha Mining Electrical and Mechanical Production testing centers. The main drafters of this standard. high dream bear, now Li Yang, Choi Chang group, Zhao Yuan, Wang Yadong, Chen Jianhua, He Jianguo, Yu Qingsong. LHD safety requirements

1 Scope

GB 25518-2010 is the Chinese national standard on underground load-haul-dump - safety requirements, in the field of mining and minerals. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 1 December 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2011. Classification: ICS 73.100.10, CCS D92. This page

is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the list of dangerous underground scraper, safety requirements and/or safety measures and determination, usage information. This standard is to limit the physical properties and intended use of underground scraper raised. Safety requirements specified in this standard apply to Dangerous various stages of the life of the machine produced by GB/T 15706.1 stipulated. This standard does not relate to the hazard and GB/T 15706.1 and GB/T 15706.2 consistent. About general mechanical, electrical, hydraulic, Pneumatic and other dangerous devices, are not included in this standard. This standard applies to metal and nonmetal underground mines, underground engineering, diesel LHD tunnel used, and electric LHD Remote LHD.

1.8 Friction or abrasion hazard

1.9 high-pressure fluid ejection hazard Frame at the hinge or latch shear deformation around 1.10

1.11 transmission failure

1.12 tire and rim use, improper tire maintenance

2 electrical hazards

2.1 people contacts with live parts (direct contact)

2.2 people due to error conditions and live parts of the contact (indirect contact) with

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 755 rotary motor fixed and performance (GB 755-2008, IEC 60034-1.2004, IDT)

GB/T 1147.1 and medium power internal combustion engines - Part 1. General requirements

GB/T 1190 OTR tire technical requirements

GB/T 1251.1 Ergonomics public places and work areas - Auditory danger signal danger signal (GB/T 1251.1- 2008, ISO 7731.2003, IDT)

GB/T 2883 construction machinery Wheel Size Series (GB/T 2883-2002, ISO 4250-3.1997, MOD)

GB/T 2980 OTR tire specifications, size, pressure and load

GB/T 3766 Hydraulic System General technical conditions (GB/T 3766-2001, eqv ISO 4413.1998)

GB 4351.1 Portable fire extinguishers - Part 1. Performance and structural requirements

GB 5008.1 lead-acid starter batteries technical conditions (GB/T 5008.1-2005, IEC 60095-1.2000, MOD)

GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements (IEC 60204-1.2005, IDT)

GB/T 6072.1 reciprocating internal combustion engine performance - Part 1. Test method calibration and power, fuel and lubricating oil consumption Additional requirements for engines for general method (GB/T 6072.1-2008,

ISO 3046-1.2002, IDT) GB /Z6829 General requirements for residual current operated protective devices (GB /Z6829-2008, IEC /T R60755.2008, MOD)

GB 7258-2004 the safe operation of motor vehicles technical conditions

2.7 Motor Selection installation errors

2.8 no residual current protection or residual current protection device selection installation errors

2.9 Control circuit failure

3 thermal hazards

3.1 high or low temperature of an object or material exposures from fire, explosions and heat caused by radiation-induced burns and scalds

3.2 hot or cold working environment for health damage

4 dangerous due to noise

4.1 hearing loss, other physiological disorders

4.2 Interference language communication, auditory signals, etc. Hazard generated by the vibration of 5 6 pedestrians, remote LHD operator with remote control distance is too close LHD Hazardous substances in materials and equipment operation and use (and its constituent elements) produced 7

7.1 due to contact or inhalation hazard hazardous liquids, gases, fumes and dust caused