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

GB 10054.2-2014

Replacing GB/T 10054-2005; GB 10055-2007

**Builders hoists for goods -- Part 2: Inclined hoist with
non-accessible load carrying devices**

货用施工升降机 第2部分：运载装置不可进入的倾斜式升降机

(English Translation)

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Foreword

Part 1, Chapter 2, Section 3, Chapter 4, 5.2.2.1 ~

5.2.2.6,5.2.2.8.1,5.2.2.8.3,5.2.2.10,5.2.3,5.2.4, 5.2.6,5.4.4 first two lines, the first column of item 5.6.3.2 are recommended, the rest are mandatory.

GB 10054 "freight elevator construction" is divided into two parts.

--- Part 1. carriers can enter the elevator;

--- Part 2. non-carrier into the inclined lift. This section GB Part of 210,054. This section is a Class C standard GB/T 15706 requirements. This section drafted in accordance with GB/T 1.1-2009 given rules.

This part redrafted law revision using EN12158-2:2000 A1.2010 "freight elevator construction - Part 2. carrying Means non-tilt into the lift. " This portion of EN12158-2:2000 A1. compared to 2010, the number of clauses and chart changes, listed in Appendix B of this Part Points and EN12158-2:2000 A1.2010 and the graph changes compared reg control list.

This portion of EN12158-2:2000 A1.2010 compared to the existence of technical differences are given in Appendix C of this section and EN12158-2. Difference and a list of technical reasons 2010.2000 A1. This part made the following editorial changes.

--- Deleted EN12158-2:2000 A1.2010 preface, introduction and appendix ZA on EU Machinery Directive, an increase of this Part of the preface;

--- Range added "GB 10054 of the provisions of this part of the carrier can not enter the tilting goods lifts (hereinafter referred to as "Lift") manufacture, installation, use and maintenance of safety and technical requirements, "the statement language standardization objects;

--- Added Appendix B "in this section and EN12158-2. reg number and chart the changes compared to 2010.2000 A1";

--- Added Appendix C "in this section and EN12158-2:2000 A1.2010 technical differences and their causes."

This part of the National Standardization Technical Committee elevating work platform (SAC/TC335) centralized.

This section is drafted. Langfang Kaibo Construction Machinery Co., Ltd., Beijing CIB Machinery Technology Co., Ltd., Shandong Province special equipment Inspection and Research Institute, Guangzhou City Jinglong Engineering Machinery Co., Ltd., Tianjin Xianghe Machinery Co., Ltd., Beijing Institute of Construction Mechanization.

1 Scope

GB 10054 of the provisions of this part of the carrier can not enter the tilting goods lifts (hereinafter referred to as "lift") manufacture, Ann Installation, use, maintenance, safety and technical requirements.

This section applies to power-driven, temporary installation by building construction site personnel, the service station or in an upper layer of the work Region extends to the rail terminal (for example, on the roof), and with the construction of the lift carrier. Having the following characteristics.

--- Only for transporting cargo;

--- Carrier at any time into the prohibited personnel;

--- Carrier with a guide;

--- Carrying means at least in the vertical direction of 30 ° to run and may be required in the vertical direction and the manufacturer's maximum angle of inclination Any angle between the lower use;

--- Carriers supported by ropes and compulsory transmission;

--- Carriers by the operator through the stop - motion control means controls;

--- Carrier does not use any weight;

--- Carrier maximum rated load of 300kg; Means the maximum speed --- the carriage of 1.00m/s;

--- Guides require support independent of structures.

Part 4 of this chapter lists the dangers identified in this section of the machine may occur at various stages of life, and indicates Eliminate or reduce these dangerous methods according to the manufacturer's instructions for use.

Safety requirements of this part and/or measures involving the lift chassis, rails, carriers, transmissions, electrical and/or hydraulic means And control system design. It includes any rail support design, but does not include a support structure (e.g. a building or scaffolding) and any by Design wall shelf. If any other concrete, gravel, wood or other basic configuration of the design, the bottom of the fence, and lift channel protection An upper landing, discussed in the instruction manual part of this section. This section does not include the following additional requirements.

--- Poor working conditions (such as extreme weather, ferromagnetic properties);

--- Lightning;

--- Special circumstances (such as potentially explosive environments) and shall be subject to special rules;

--- Electromagnetic compatibility (emission, immunity);

--- Dangerous loads (such as molten metals, acid/alkaline materials, radioactive materials, fragile items) processing;

--- Use of the internal combustion engine;

--- Using the remote control device;

--- The risk of manufacturing processes;

--- Danger Because of the transition movement generated;

--- Danger when erected on public roads;

---earthquake;

---noise. This section does not apply to.

--- Permanent installation of an elevator;

--- People and goods of dual-use construction lifts;

--- Carriers can enter the freight elevator construction;

--- Carrier by a hydraulic cylinder (directly or indirectly) driven construction hoist;

--- Furniture lifts;

- Conveyor;
- By the lifting equipment work hanging cage;
- Forks supported lifting platform;
- Working platform;
- Cable car;
- Specially designed for military use lifts;
- Mine hoists;
- Stage lifts;
- Special purpose lifts.

This part is applicable after the date of its implementation of the production machine.

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.

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

GB/T 3811-2008 crane design specifications

GB 4208 housing protection (IP Code) (GB 4208-2008, IEC 60529:2001, IDT)

GB/T 5013.1 rated voltage of 450/750V and below rubber insulated cables - Part 1: General requirements (GB/T 5013.1-2008, IEC 60245-1:2003, IDT)

GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1: General requirements (IEC 60204-1:2005, IDT)

GB 5226.2-2002 Safety of machinery electrical equipment Part 32: Requirements for hoisting machines (IEC 60204-32. 1998, IDT)

GB/T 5972 crane wire rope maintenance, maintenance, installation, examination and discard (GB/T 5972-2009, ISO 4309. 2004, IDT)

GB 14048.5 low-voltage switchgear and control equipment Part 5-1. Control circuit devices and switching elements - Electromechanical control circuit Road Electric (GB 14048.5-2008, IEC 60947-5-1:2003, MOD)

GB/T 14574 Acoustics Declaration and verification of noise emission values of machinery and equipment of (GB/T 14574-2000, eqvISO 4871.