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

GB/T 35205.6-2023

**Rough-terrain trucks -- Safety requirements and verification --
Part 6: Tilting operator's cabs**

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document is part 6 of GB/T 35205 "Safety Requirements and Verification of Off-Road Forklifts": GB/T 35205 has issued the following

part:

--- Part 1: Telescopic forklifts;

--- Part 2: Rotary forklift;

--- Part 5: Connecting devices for telescopic forklifts and integrated personnel working platforms;

--- Part 6: Inclined cab;

--- Part 7: Longitudinal load moment system:

This document is equivalent to ISO 10896-6:2015 "Safety Requirements and Verification of Off-Road Forklifts - Part 6: Inclined Cab":

The following minimal editorial changes have been made to this document:

---Incorporated the amendments of ISO 10896-6:2015/Amd:1:2019, the outer margins of the terms involved are in vertical

Straight double lines (|) are marked:

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

With its unique structure and a variety of attachments that it can be equipped with, off-road forklifts are capable of working on many different types of vehicles:

The application is extremely wide, and foreign countries already have a complete technical standard system for off-road forklifts: At present, some domestic manufacturers have entered this

field: The international high-end market has strict access requirements: In order to break the technical barriers to trade, we have accelerated the transfer of international standards for off-road forklifts:

In order to make our country's off-road forklift safety requirements and verification methods in line with international standards as soon as possible:

GB/T 35205 "Safety Requirements and Verification of Off-Road Forklifts" aims to establish safety requirements and verification methods for off-road forklifts: GB/T 35205

The following sections are proposed for publication:

--- Part 1: Telehandlers: The purpose is to specify the safety requirements and verification of telescopic forklifts:

--- Part 2: Rotary forklift: The purpose is to specify the safety requirements and verification of rotary forklifts:

--- Part 3: Truck-mounted forklifts: The purpose is to specify the safety requirements and verification of truck-mounted forklifts:

--- Part 4: Additional requirements for lifting and transporting freely swingable load telescopic forklifts: The purpose is to stipulate that the lifting can swing freely

Safety requirements and verification of additional requirements for telehandlers:

--- Part 5: Connecting devices for telescopic forklifts and integrated personnel work platforms: The purpose is to specify that telehandlers and

Safety requirements and verification of connection devices between integrated personnel working platforms:

--- Part 6: Inclined cab: The purpose is to provide for the installation of tilting cabs on telehandlers and slewing forklifts

security requirements and verification:

--- Part 7: Longitudinal load moment system: The purpose is to specify the design,

Security requirements and verification:

See ISO 20297-1 for safety requirements and verification of truck-mounted forklifts:

Safety requirements and verification of off-road forklifts

Part 6: Tilting cabs

1 Scope

This document specifies the safety requirements and verification methods for inclined cabs of forklifts covered by GB/T 35205:1 and GB/T 35205:2

Law: This document is applicable to the tilting driver's cab whose height of the driver's seat calibration point (SIP) does not exceed 400mm when it is fully tilted:

see picture 1:

in millimeters

Explanation of indexing symbols:

A---SIP when inclined;

B---SIP when not tilted:

Figure 1 Inclined cab

This document only deals with significant hazards, hazardous situations or hazardous incidents associated with tilting cabs fitted on forklift trucks:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is

applicable to

this document:

GB/T 17922-2014 Laboratory tests and performance requirements for rollover protective structures of earth-moving machinery (ISO 3471:2008, IDT)

GB/T 35205:1-2017 Safety requirements and verification of off-road forklifts Part 1: Telescopic forklifts (ISO 10896-1:

2012, IDT)

GB/T 35205:2-2023 Safety performance requirements and verification of off-road forklifts Part 2: Rotary forklifts (ISO 10896-2:

2016, IDT)

ISO 3449 Laboratory tests and performance requirements for earth-moving machinery falling object protective structures (Earth-moving machinery-