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

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**Rough-terrain trucks - Safety requirements and verification -
Part 2: Slewing trucks**

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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 the second part 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 10896-2:2016 "Safety Requirements and Verification of Off-Road Forklifts - Part 2: Rotary Forklifts":

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 load telescopic forklifts:

--- 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 2: Swivel forklifts

1 Scope

This document specifies the general safety requirements for off-road type rotary telescopic forklifts (hereinafter referred to as "forklifts"): This type of forklift consists of a lower chassis

It is composed of the upper slewing structure, and the upper slewing structure is equipped with a telescopic arm lifting device (articulated arm), which is usually equipped with a pick-up device (such as cargo

fork and fork): Forks and other integral attachments are considered part of the forklift:

In addition to the relevant clauses of this document, other parts of this document also apply to these attachments:

This document does not apply to the following:

- a) Off-road type telescopic forklift (non-rotating), see ISO 10896-1;
 - b) For industrial telehandlers, see ISO 3691-2;
 - c) mobile cranes;
 - d) machinery designed primarily for earthmoving operations (e.g: loaders), even if their buckets are replaced by forks (see ISO 20474);
 - e) Designed to be mainly carried by variable-length lifting suspension components (such as chains, wire ropes), and the load can swing freely in all directions
- vehicle;

Note: For vehicles with loads that can swing freely in all directions, the additional requirements for vehicle lifting devices and attachments, manned/working platforms shall be determined by

ISO /TC110/SC4 is under development:

- f) Vehicles designed primarily for handling containers:

The significant hazards covered by this document are listed in Appendix A: This document does not address the hazards that may occur in the following situations:

- During the manufacturing process;
- When handling suspended loads that can swing freely;