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

GB/T 21468-2008

Pallet stackers and high-lift platform trucks -- Stability tests

托盘堆垛车和高起升平台堆垛车稳定性试验

(English Translation)

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Foreword

This standard is identical with ISO 5766:1990 "Pallet stackers and high-lift pallet truck stability test" (in English).

This standard is equivalent translation ISO 5766:1990.

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

- "This International Standard" be replaced by "this standard";
- Instead of using the decimal point as a decimal point ",", " ";
- Deleted international standards foreword;
- Removed all imperial units corresponding values, formulas and notes.

The standard proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of Beijing Materials Handling Research Institute.

1 Scope

This standard specifies the basic walk-test verification and ride pallet stackers and high-lift pallet truck stability.

This standard applies to the rated capacity of not more than 5000kg, door frame, loading platforms, forks can be tilted or not tilted stacking and transport vehicle Transport vehicles. Also applies to work under the same conditions of load handling attachments equipped vehicles.

This standard does not apply to vehicles with a telescopic device (such as a door frame or fork), and does not apply to handling can swing freely suspended load Dutch vehicles.

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/T 8591 moving machinery - Seat index point (GB/T 8591-2000, eqv ISO 5353:1995)

3.1 Normal operating conditions

Basic test specified in this standard is used to verify pallet stackers and high lift pallet truck is reasonable and under normal operating conditions following Good stability when properly used has, namely.

- a) substantially perpendicular to the mast, the fork is relatively level, solid, stacking operation performed on a flat, level and paved roads;
- b) After the mast or fork tilt (if possible), at a low load (run) position, running on a solid, flat and paved roads;
- c of job) load in the vehicle about the centroid of the longitudinal center plane.

3.2 Non-normal operating conditions

When not working with the same conditions as specified in 3.1, shall be used.

Additional job stability test 1) GB/T 21467 industrial vehicles stacked under certain conditions mast anteversion

- a) comply with other standards (for example, GB 214671) different vehicle under the specified conditions); or
- b) the stability of the relevant parties agreed to test the stability requirements but not less than prescribed under normal operating conditions (see 3.1) of the vehicle.

4.1 Test requirements

Stability of the vehicle, one of the following authentication methods should be used for verification. In case of dispute, the tilt platform shall serve as the arbitration law method.

4.2.1 Tilt platform

You should use about one side inclined platform. The vehicle to be tested according to the conditions specified in 4.3, placed in a horizontal state of the initial test level Stage, the respective positions are given in Table 2 were tested sequentially.

When each test, the test platform shall be gradually tilted to the inclination specified in Table 2. If the vehicle passes all the tests without tipping, the Considered stable.

GB/T 21468-2008/ISO 5766:1990