

ICS 53.060

CCS J 83



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

GB/T 44679-2024

**Technical specification for usage prohibition and scrapping of
forklift trucks**

叉车禁用与报废技术规范

Issued on: September 29, 2024

Implemented on: April 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

Preface... III 1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Prohibited technical conditions	1
5 Technical conditions for scrapping	3
6 Test methods	3
6.1 Prohibited test methods	3
6.2 Scrap test method	5
References	6

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 is required.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Industrial Trucks (SAC/TC 332).

This document was drafted by: Anhui Heli Co., Ltd., Beijing Hoisting and Conveying Machinery Design and Research Institute Co., Ltd., China Special Equipment Testing Institute, Linde (China) Forklift Co., Ltd., Beijing Kezhengping Engineering Technology Testing Institute Co., Ltd., Hangcha Group Co., Ltd.

Ltd., Noli Intelligent Equipment Co., Ltd., Ningbo Ruyi Co., Ltd., Toyota Industries (Kunshan) Co., Ltd., Zhejiang Zhongli Machinery Co., Ltd., Crown Equipment (Suzhou) Co., Ltd., Longgong (Shanghai) Forklift Co., Ltd., Shanghai Lichi Intelligent Equipment Co., Ltd.

Co., Ltd., Guangxi Zhuang Autonomous Region Special Equipment Inspection and Research Institute.

The main drafters of this document are: Shi Lei, Shang Hong, Zhao Chunhui, Yang Xinlei, Zhang Jinxia, Wu Zhanwen, Ke Jiachang, Wang Jun, Tao Lei, Chen Liang, Fu Min, Lu Shiming, Yu Xiaoxian, Wang Haiqing, Ma Yi, Xie Kun, Yan Bo.

Technical Specifications for Disabling and Scrapping of Forklifts

1 Scope

This document specifies the technical conditions and test methods for the disabling and scrapping of forklifts.

This document applies to counterbalanced forklifts, reach forklifts, side forklifts, leg forklifts, pallet forklifts, etc.

Evaluation and management of the disabling and scrapping of stacker trucks and three-way stacker forklifts, and reference for other types of forklifts.

2 Normative references

GB/T 26950.1

GB/T 26950.2

GB 36886

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Disable usage prohibition

The forklift cannot be used any longer because its safety performance does not meet the prescribed requirements or its emissions exceed the standards.

3.2 scrapping

The forklift ends its service life due to severe frame damage, or excessive emissions that fail to meet the prescribed requirements after repair, or reaching its service life.

4 Prohibition of technical conditions

4.1 When the maximum lowering speed of the forklift with full load exceeds 600 mm/s, it should be disabled.

4.2 For forklifts with a rated lifting capacity not exceeding 10,000 kg, if the load drop caused by internal leakage exceeds 100 mm within the first 10 minutes, Forklifts with a rated lifting capacity greater than 10,000 kg should be prohibited from use if the load drops by more than 10% within 10 minutes due to internal leakage.

200 mm, it should be disabled.

4.3 Forklifts with a maximum forward tilt of not less than 5° shall be disabled if the mast tilts

forward more than 5° from the vertical position within 10 minutes due to internal leakage;

Forklifts with a maximum forward tilt of less than 5° should not be operated when the average tilt speed of the mast from the vertical position exceeds 0.5 (°)/min due to internal leakage. use.

4.4 When any of the following conditions occur in the main parts of the forklift, it should be disabled.

The frame, gantry, bridge or fork frame has plastic deformation or obvious cracks that affect the safe operation of the forklift. a) When the solid section fork encounters one of the following situations. b) There are cracks on the fork surface; 1)