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

GB/T 17910-2025

Replacing GB/T 17910-1999

**Industrial trucks - Inspection and repair of fork arms in service
on fork-lift trucks**

工业车辆 叉车货叉在使用中的检查和修复

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document supersedes GB/T 17910-1999 "Inspection and Repair of Forklift Forks in Use in Industrial Vehicles", and is consistent with GB/T 17910-Compared to 1999, aside from structural adjustments and editorial changes, the main technical changes are as follows.

---The requirements for the "inspection cycle" have been changed (see Chapter 4, Chapter 4 of the 1999 edition);

---The inspection requirements for "surface cracks" have been changed (see 5.2, 1999 version 5.2);

---The requirement for "straightness" has been added (see 5.4);

---The requirements for checking "marking clarity" have been changed (see 5.6, 5.5 in the 1999 edition);

---Added the inspection requirement for "damage to the fork tip" (see 5.7.3);

---The provisions for the "yield test" have been amended (see 6.2, 1999 edition of 6.2).

This document is equivalent to ISO 5057:2022 "Industrial vehicles - Forklift forks - Inspection and repair in use".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no 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 on Standardization of Industrial Vehicles (SAC/TC332).

1 Scope

This document describes the inspection and repair methods for solid cross-section forks used on various types of forklifts.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

ISO 2330 Technical requirements and test methods for forklift forks Note. GB/T 5182-2008 Technical requirements and test methods for forklift forks (ISO 2330:2002, IDT) ISO 2331 Forklift trucks - Hook-on type for karms - Vocabulary Note. GB/T 5140-2005 Terminology for Forklift Hook-Type Forks (ISO 2331:1974, IDT)

3 Terms and Definitions

The terms and definitions defined in ISO 2331, as well as the following terms and definitions, apply to this document.

qualified person

Through training, certification, experience, or a combination of these, one acquires the knowledge and skills to correctly perform the required work.

personnel.

4 Inspection cycle

Forks in use should be replaced in accordance with the requirements of Chapter 5 every 12 months or when defects or permanent deformation are found.

Conduct inspections. The longest inspection cycle should be shortened by qualified personnel based on the intensity of use or the environment in which it is used.

The authorized and qualified personnel determine the review cycle.

Note: Appendix A provides guidance on the longest inspection cycle determined based on usage. Shortening the inspection cycle is not mandatory.

5.1 General Rules

The forks should be inspected by qualified personnel to determine if there is any damage, malfunction, or deformation that could affect safe use. For example, the forks...

If any of the above-mentioned defects affect safe use, use should be discontinued unless the forks have been properly repaired and tested according to 6.2 (if applicable).

It should not be reused.