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

GB/T 19209.1-2025

Replacing GB/T 19209.1-2003

**Examine general rule of repair quality for tractor - Part 1:
Wheeled tractor**

拖拉机修理质量检验通则 第1部分:轮式拖拉机

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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 is required.

This document is Part 1 of GB/T 19209 "General Rules for Inspection of Tractor Repair Quality". GB/T 19209 has been published as follows part. --Part 1: Wheeled tractors; --Part 2: Crawler tractors.

This document replaces GB/T 19209.1-2003 "General Rules for Inspection of Tractor Repair Quality Part 1: Wheeled Tractors" and is compatible with GB/T 19209.1- Compared with 2003, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

a) In the "whole machine" inspection, the "starting performance", "power" and "fuel consumption rate" inspection items and their corresponding technical requirements and inspection The technical requirements and test methods of the "emission" test item have been changed; the "operating mechanism" test item has been deleted, and the relevant...

Technical requirements and inspection methods are divided into specific inspection parts (see Table 1, Table 1 of the 2003 edition);

b) In the "Engine" inspection, "Electronic fuel supply system", "Lubrication system", "Cooling system" and "Post-processing device (if any)" are added Technical requirements and inspection methods for inspection items (see Table 1, Table 1 of the 2003 edition);

c) In the "Drive System" inspection, the technical requirements and inspection methods of

the "Clutch", "Gearbox", "Rear Axle" and "Other" inspection items have been changed.

The technical requirements and inspection methods for the inspection item "power output shaft device" were added (see Table 1, Table 1 of the 2003 edition);

d) The content of the "steering system" inspection has been changed (see Table 1, Table 1 of the 2003 edition);

e) The content of the "Braking System" inspection has been changed (see Table 1, Table 1 of the 2003 edition);

f) In the "Frame and Travel System" inspection, the "Rear Axle" inspection item was deleted and the "Frame", "Buffer Device" and "Travel System" inspection items were changed.

Technical requirements and inspection methods for inspection items such as "belt" (see Table 1, Table 1 of the 2003 edition);

g) The inspection contents of "hydraulic suspension device" have been changed (see Table 1 of the 2003 edition);

h) The technical requirements and inspection methods for the "Electrical System" have been modified (see Table 1, Table 1 of the 2003 edition).

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 Agricultural Machinery Standardization (SAC/TC.201).

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The previous versions of this document and the documents it replaces are as follows.

--First published in 2003 as GB/T 19209.1-2003; --This is the first revision.

Introduction

Agricultural machinery repair service is an important part of agricultural machinery social service, which plays an important role in promoting the manufacturing of advanced

agricultural machinery and ensuring the whole process of agricultural mechanization.

In order to promote the improvement of the quality level of agricultural machinery repair and safeguard the legitimate rights and interests of agricultural machinery users, China has Tractors are the most important power machinery in agricultural mechanization production, with a large number of them in the society.

The repair business volume is large and the repair quality standards are relatively complete. GB/T 19209 "General Rules for Inspection of Tractor Repair Quality" aims to establish a standard for tractor repair.

The wheeled tractor and crawler tractor have different running mechanisms and structural components.

GB/T 19209 is intended to consist of two parts.

-- Part 1: Wheeled tractors. The purpose is to specify the quality inspection items and technical requirements applicable to wheeled tractors after repair.

Propose an operational inspection method.

-- Part 2: Crawler Tractors. The purpose is to specify the quality inspection items and technical requirements applicable to wheeled tractors after repair.

Propose an operational inspection method.

General rules for inspection of tractor repair quality Part 1: Wheeled Tractors

1 Scope

This document specifies the quality inspection items and technical requirements for wheeled tractors after repair, and describes the corresponding inspection methods.

This document applies to quality inspection of wheeled tractors after repair.

2 Normative references

GB/T 3871.3

GB/T 3871.4

GB/T 3871.5

GB/T 3871.6

GB/T 3871.8

GB 6376

GB 18447.1

GB 20891

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4 Repair quality inspection

The repaired parts of wheeled tractors shall be subject to quality inspection after repair. The inspection items, technical requirements and inspection methods shall comply with Table 1. regulations.

Table 1 Inspection items, technical requirements and inspection methods

3 Sealing

The exterior of the tractor should be clean, the topcoat color should be uniform, and the paint layer should be free of defect All mechanical parts, instruments, electrical equipment and auxiliary equipment should be complete.

Firm connection, reliable operation, easy operation All connection joints and joint surfaces should not leak oil, water or air. Visual inspection Visual inspection or debugging inspection, if there is any Torque requirements are checked with a torque wrench Visual inspection
Serial number Inspection item Technical requirements Inspection method