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

GB/T 19209.2-2025

Replacing GB/T 19209.2-2003

**Examine general rule of repair quality for tractor - Part 2:
Caterpillar tractor**

拖拉机修理质量检验通则 第2部分:履带拖拉机

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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 2 of GB/T 19209 "General Rules for Inspection of Tractor Repair Quality". GB/T 19209 has been published as follows part. --Part

1 Scope

GB/T 19209.2-2025 is the Chinese national standard on examine general rule of repair quality for tractor - part 2: caterpillar tractor, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 June 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 2026. Classification: ICS 65.060.01, CCS B90. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

2. Crawler tractors. This document replaces GB/T 19209.2-2003 "General Rules for Inspection of Tractor Repair Quality Part

2. Crawler Tractors" and Compared with GB/T 19209.2-2003, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.2003 edition);

- b) 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);
- c) In the "Engine" inspection, the "Electronic Control Fuel Supply System", "Lubrication System", "Cooling System" and "Post-processing Device" inspection items have been added Purpose, technical requirements and test methods (see Table 1, Table 1 of the.2003 edition);
- d) In the "Drive System" inspection, the technical requirements and inspection methods for the "Clutch", "Gearbox", and "Rear Axle" inspection items have been changed, and The contents of "other" inspection items have been revised, and the technical requirements and inspection methods of "power output shaft device" inspection items have been added (see Table 1, Table 1 of the.2003 edition);
- e) In the "steering and braking system" inspection, the relevant inspection items and corresponding technical requirements for "differential steering crawler tractors" are added and test methods (see Table 1, Table 1 of the.2003 edition);
- f) In the inspection of "frame and travel system", the content of "rear axle" inspection item was deleted, and the contents of "frame", "buffer device" and "travel system" inspection items were modified. 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) Changed "instrumentation and electrical system" to "electrical system" and changed the inspection items and their corresponding technical requirements and inspection Method (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). This document was drafted by: Agricultural Mechanization General Station of the Ministry of Agriculture and Rural Affairs, Heilongjiang Agricultural Machinery Engineering Science Research Institute, China First Tractor Group Co., Ltd., Weichai Lovol Smart Agriculture Technology Co., Ltd., Jiangsu Agricultural Mechanization Service Station, and Shandong Agricultural Machinery Technology Promotion Station. The main drafters of this document are. Zhang Jian, Wang Yangguang, Yu Zhigang, Wang Yan, Wang Dianyong, Fang Qiang, Lu Kai, Sun Yunjing, and Liu Lu. The previous versions of this document and the documents it

replaces are as follows: --First published in.2003 as GB/T 19209.2-2003; --This is the first revision.

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, my country 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 "Tractor Repair Quality Inspection Guide" aims to establish a tractor repair The crawler tractor and wheeled tractor have different running mechanisms and their structural compositions are quite different. 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

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 3871.3 Agricultural tractor test procedures Part

3 Crawler tractors

GB 20891 Emission limits and measurement methods for exhaust pollutants from diesel engines for non-road mobile machinery (China Phase III and IV)

HJ 1014 Technical Requirements for Pollutant Emission Control of Non-road Diesel Mobile Machinery

4 Lifting capacity of rear three-point hitch

GB/T 3871.6 Agricultural tractor test procedures Part

6 Determination of braking performance of agricultural and forestry vehicles

GB/T 3871.8 Agricultural tractor test procedures Part

8 Noise measurement

GB 6376 Noise Limits for Tractors

GB 18447.3 Safety requirements for tractors Part

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