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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 6960.2-2025

Replacing GB/T 6960.2-2007

Tractor terminology - Part 2: Transmission system

拖拉机术语 第2部分：传动系

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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 is Part 2 of GB/T 6960 "Tractor Terminology". GB/T 6960 has the following parts published.

1.The Complete Machine;

2.Transmission System;

3.Braking System;

4.Walking System;

5.Steering System;

6.Hydraulic suspension system and traction/towing device;

7.Cab, Driver's Seat, and Coverings;

8.Electronic Control Systems This document replaces GB/T 6960.2-2007 "Tractor Terminology Part

2.Transmission System". Compared with GB/T 6960.2-2007, Apart from structural adjustments and editorial changes, the main technical changes are as follows:

---The terms "hydraulic transmission system," "track steering mechanism," and "standard speed of power output" and their definitions have been deleted (see section

3.1.3 of the.2007 version). 3.8, 3.12.8);

---Changes have been made to "Transmission system", "Mechanical transmission system",

"Hydraulic transmission system", "Clutch", "Wet clutch", "Hydraulic clamping clutch", and "From". Terms and definitions for "driving disc", "pressure plate", "clutch cover", "driveshaft", "limited-slip differential", "final drive", and "built-in final drive". (See 3.1, 3.2, 3.3, 4.1, 4.4, 4.8, 4.18~4.20, 5.1, 9.2, 11.1, 11.4, and 3.1, 3.1.1, 3.1.2,

1 Scope

GB/T 6960.2-2025 is the Chinese national standard covering the vocabulary of a tractor driveline - the clutch and the gearbox with its ranges and powershift, the differential and its lock, the final drives, the power take-off and the hydrostatic and continuously variable arrangements. Part 2 of the series. It replaces GB/T 6960.2-2007, in force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 6960.2-2007.

This document defines the terminology and definitions for tractor drivetrains. This document applies to the production, research, teaching and other related fields of tractors and related parts.

2 Normative references

This document has no normative references.

3 General Terms

3.1 transmission system A complete device that converts and controls the speed and torque of the engine/electric motor to transmit them to the drive wheels and power output shaft (pulley).

3.2 A transmission system containing mechanical devices such as a dry clutch, gearbox, and drive axle.

3.3 A transmission system that transmits power to the drive wheels through hydraulic devices, including hydraulic pumps, hydraulic motors, valves, and pipelines.

3.4 A transmission system containing a hydraulic shift clutch.

Note. A hydraulic shift clutch and/or brake is used to change the working gear pair to achieve gear shifting/reversal or starting.

3.5 A transmission system that can achieve continuously variable and precisely controllable speed ratios within a variable speed range.

3.6 electric powertrain A power system that includes a drive motor system and a transmission system can transmit energy to the drive wheels and the power output shaft.

Note. The drive motor system consists of a drive motor, a drive motor controller, and auxiliary devices necessary for its operation.

3.7 When transmitting power to the drive wheels, it can be done via a route containing hydraulic devices such as hydraulic pumps, hydraulic motors, valves, and pipelines, or via a route containing only hydraulic components. A transmission system that uses mechanical devices such as gears to transmit power along a route, but can only transmit power through one route at a time.

3.8 speed ratio The ratio of the input shaft speed to the output shaft speed.