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

GB/T 21956.3-2015

Replacing GB/T 21956.3-2008

**Protective structure strength on narrow-track wheeled agricultural and
forestry tractors -- Testing method and acceptance condition -- Part 3:
Static testing method of rear mounted ROPS**

农林用窄轮距轮式拖拉机防护装置强度 试验方法和验收条件 第3部分：后置式静态试验方法

(English Translation)

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Foreword

GB/T 21956 "narrow-track wheeled agricultural and forestry tractors guard strength test method and acceptance conditions" is divided into four parts.

- Part 1. Static testing method of front mounted;
- Part 2. Pre Dynamic testing method;
- Part 3. Static testing method of rear;
- Part 4. Rear dynamic test methods.

This section GB/T Part of 321,956.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 21956.3-2008 "narrow-track wheeled agricultural and forestry tractors guard strength test methods and acceptance criteria Part 3. Static testing method of rear. " this section compared with the GB/T 21956.3-2008, in addition to editorial changes outside the main technical changes are as follows.

- The tractor mass 600kg ~ 3000kg load is adjusted to the tractor without counterweight mass 400kg ~ 3500kg, increased "For all tractors, the mass ratio of no more than 1.75." (See Chapter 1, Chapter 1, 2008 edition);
- Normative references increased by GB/T 6960.1-2008 (see Chapter 2, Section 2 of the 2008 edition);
- Adjust some terms and definitions (see Chapter 3, Chapter 3, 2008 edition);
- Symbol added "ah" and "av" (see Chapter 5, Chapter 5, 2008 edition);
- Adjust the horizontal lateral loading test apparatus of the example of Figure [see Figure 1b), in 2008 the territory 1b)];
- Increasing the loading process requirements of the load direction and speed (see 6.5);
- Adjust the load side of the mount point (see 7.6);

- Adjust the content of shelter areas (see Chapter 8, Chapter 8, 2008);
- Adjust the content of the sample size of the test report (see A.2.5, 2008?? A.2.5);
- Delete the contents of Appendix A "minor changes of proof" of.

This section uses redrafted Law Amendment uses OECDcode7.2012 "narrow - track wheeled agricultural and forestry tractors - Rear-mounted roll-over Guard strength test method "(in English) static test portion.

Part of this OECDcode7.2012 technical differences are as follows.

- Increased Chapter 2, "Normative references";
- Part of technical terms and references GB/T 6960.1-2007 and GB/T 6960.7-2007;
- Removed OECDcode7.2012 Administrative report extension;
- Removed OECDcode7.2012 Appendix I "according to the seat reference point to determine the shelter zone" section;
- Removed OECDcode7. Appendix II dynamic tests on part of 2012;
- Removed OECDcode7.2012 in the driver's seat belt anchorage point test content.

For ease of use, this section also OECDcode7.2012 made the following editorial changes.

- Modify the standard name;
- Increased unit conversion content.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee tractor (SAC/TC140) centralized.

This section is drafted. Luoyang Xiyuan vehicle inspection and Power Limited, China First Tractor Group Co., Ltd.

1 Scope

This section GB/T 21956 specifies the static test methods for agriculture, forestry narrow track wheeled tractor rear guards Strength and acceptance criteria.

This section applies to a pneumatic tire having a tractor two shafts, ground clearance the lowest point of its front and rear axles is not more than 600mm; the former or rear wheels fitted with tires of the largest size, whether it is fixed or adjustable track width of the tractor minimum tread was no more than 1150mm; drag Two-way machine with a tractor without counterweight mass (including the largest tire and guards provided by the manufacturer) is greater than 400kg, the same time as the Less than 3500kg, maximum use mass not exceeding 5250kg. For all tractors, the mass ratio of no more than 1.75.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 700 carbon structural steel GB/T 6236 Tractors and machinery for agriculture and forestry seat landmarks GB/T 6960.1-2007 Tractor terminology - Part 1. Hardware GB/T 6960.7-2007 Tractor terminology - Part 7. Cab, seat and cover

3 Terms and Definitions

GB/T 6960.1-2007 and GB/T 6960.7-2007 defined and the following terms and definitions apply to this document.

Wheel center plane medianplaneofthewheel from the two outer circumferential rim plane equidistant plane.

Tread track

Vertical plane through the wheel axis line of intersection with the wheel center plane of the support plane turned at one point, if A and B points are dragging Two o'clock two wheels on the same axis machine thus defined, the wheelbase is the distance between point A and point B on a single row of wheels. For double wheel, tread it refers to the distance between the wheel center plane.

NOTE: This definition applies to both front and rear wheels.

Tractor center plane medianplaneofthetractor the tractor rear axle A and B points raised outermost limit position (which gives the maximum wheel base), and the midpoint of the line AB perpendicular Vertical plane.