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CCS T54



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

GB/T 19118-2015

Replacing GB/T 19118-2003

**Tri-wheel vehicles and low-speed goods vehicles - Test method
of noise**

三轮汽车和低速货车 噪声测量方法

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 19118-2003 "farm vehicles, noise measurement method." This standard compared with GB 19118-2003 Main Modifications are as follows:

- Standard name from "farm vehicles, noise measurement method" to "three-wheeled vehicles and low-speed vehicles noise measurement method";
- The "three farm vehicles" was renamed "three cars", the "four-wheel farm vehicles" was renamed "low-speed vehicles";
- Normative references have been adjusted and reconfirmation;
- The sound level measurement by the "type 2 or type 2 above requirements" to "Type 1 requirements";
- The "two calibrated sound level meter reading difference should not exceed 1dB" adjusted to "no more than 0.5dB";
- Increased instrument validity claims;
- Adjust the measurement results recording requirements. The standard proposed by China Machinery Industry Federation. The low standard by the National Automotive Standardization Technical Committee (SAC/TC234) centralized. This standard is mainly drafted by: farm vehicles Machinery Industry Development Research Center, Shandong Shifeng (Group) Co., Ltd. Participated in the drafting of this standard. Machinery Tractor Farm Transporter Products Quality Inspection Center, China National Heavy Duty Truck ace Chengdu Commercial Vehicle Co., Ltd., National Tractor Quality Supervision and Inspection Center, Hangzhou hung Electrical Co., Ltd., Shandong Automobile Co., Ltd. Ling Tang Jun Europe. The main drafters of this standard. Chen Ge, Lv Shusheng, DONG Yun Lei, Liu Dongwei, Lin Lianhua, Min Haitao, Jin Wensheng, Lang blog, Wang Bo, Wang Yafei, Wins new car. This standard replaces the previous standard version of the case.
- GB 19118-2003. Three-wheeled vehicles and low-speed vehicles Noise measurement method

1 Scope

GB/T 19118-2015 is the Chinese national standard on tri-wheel vehicles and low-speed goods vehicles - test method of noise, 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 15 May 2015 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2015. Classification: ICS 65.060, CCS T54. 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.

This standard specifies the three-wheeled vehicles and low-speed vehicles to speed up traffic noise outside the car and driver operating position of noise measuring instruments, measuring Conditions, measurement methods, measurement results and reports. This standard applies to three-wheeled vehicles and low-speed vehicles (collectively, low-speed vehicles).

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 3785.1-2010 Electric Acoustic Sound Level Meters - Part 1. Specification

GB/T 15173-2010 acoustic calibrator

GB/T 23917 Test Method for low-speed vehicles

GB/T 23931 Test Method for three cars

3.1 Acoustic measurements

3.1.1 Measuring sound level (including microphone and cable) or other equivalent measurement system shall comply with the provisions of 3785.1-2010 GB/T Type 1 sound level meter requirements.

3.1.2 measured before and after the application in line with GB/T 15173-2010 provisions of Class 1 acoustic calibrator according to the procedures specified by the manufacturer of the sound level meter into Line calibration. In the absence of any further adjustment conditions, if after reading once a calibration calibration relative to the previous reading of the difference exceeds 0.5dB, then That the results of the previous measurement after

calibration invalid. The actual sound level meter calibration readings should be recorded in Appendix A.

3.2 speed or speed measurement Measurement should be used accuracy better than $\pm 2\%$ of engine speed or vehicle speed measuring instruments to monitor the engine speed or vehicle speed, you should not use low Similar instruments on the car speed.

3.3 Measurement of meteorological parameters Thermometer accurate measurement of the ambient temperature should be within $\pm 1\text{ }^{\circ}\text{C}$. Anemometer accuracy should be within $\pm 1.0\text{m/s}$.

3.4 Other parameters measured Other parameters, such as distance, accuracy should be used not less than $\pm 2\%$ of the measuring instrument.

3.5 Instrument Effectiveness All measuring instruments shall be regularly inspected according to the provisions of the relevant national metrology instruments, and used within the effective date of inspection.