



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

**GB/T 5345-2019**

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**Road vehicles - Labelling of containers for petroleum-based or  
non-petroleum-based brake fluid**

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### Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 5345-2008 "Road vehicles - Labelling of containers for petroleum-based or non-petroleum-based brake fluid".

Compared with GB/T 5345-2008, the main changes are as follows.

- ADD "Graphical symbols to designate brake fluid" (see Clause 1 of this Standard);
- ADD the term "silicon-based brake fluid" and its definition (see 3.3 of this Standard);
- DELETE "Labelling of containers for brake fluid on vehicles shall meet the requirements of 4.6.2" (see 4.1 of 2008 edition);
- MODIFY the requirements for labelling of containers for brake fluid on vehicles (see 4.5.2 of this Standard, 4.5.2 of 2008 edition);
- MODIFY the requirements for warning information on containers (see 4.6.2 of this Standard, 4.6.2 of 2008 edition);
- ADD the graphical symbol to designate silicon-based brake fluid (see A.3 of this Standard).

This Standard was prepared using the redrafting method with reference to ISO

**3871.2000 "Road vehicles - Labelling of containers for petroleum-based or non-**

petroleum-based brake fluid" and ISO 9128.2006 "Road vehicles - Graphical symbols to designate brake fluid types". The degree of consistency with ISO

**3871.2000 and ISO 9128.2006 is non-equivalent.**

This Standard was proposed by Ministry of Industry and Information Technology of the People's Republic of China.

This Standard shall be under the jurisdiction of National Technical Committee of Auto Standardization (SAC/TC 114).

Drafting organizations of this Standard. Zhejiang Asia-Pacific Mechanical and Electronic Co., Ltd., FAW Car Co., Ltd.

Main drafters of this Standard. Hu Shuibing, Shi Ruikang, Wang Lei.

The previous released versions replaced by this Standard are as follows.

- GB/T 5345-1985, GB/T 5345-2008;
- GB/T 14168-1993.

Road vehicles - Labelling of containers for petroleum-based or non-petroleum-based brake fluid

## **1 Scope**

This Standard specifies the labelling to designate brake system and hydraulic system brake fluid (petroleum-based, non-petroleum-based or silicon-based) of road vehicles (including motorcycles and mopeds), and graphical symbols to designate brake fluid.

This Standard applies to the labelling of containers for brake fluid products and containers for brake fluid on vehicles (hereinafter referred to as "containers").

## **2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB 12981 Motor vehicle brake fluids (GB 12981-2012, ISO 4925.2005, MOD)

### 3 Terms and definitions

For the purpose of this document, the following terms and definitions apply.

#### 3.1

petroleum-based brake fluid

Brake fluid processed from a variety of hydrocarbons.

#### 3.2

non-petroleum-based brake fluid

Brake fluid using synthetic fluid as base fluid and added with various additives.

### 4.1 General requirements

The labelling of containers for brake fluid shall meet the requirements of 4.2, 4.3, 4.4, 4.5.1, 4.5.3 and 4.6; the labelling of containers for brake fluid on vehicles shall meet the requirements of 4.2.1, 4.5.2, 4.5.3.

#### 4.2.1 The container shall bear the code of brake fluid and the graphical symbol

in accordance with Annex A.

#### 4.3.1 The container shall bear the name and address of the sub-packaging

company and the brake fluid manufacturer.

#### 4.4.2 The container used only for petroleum-based brake fluid shall also bear

the following safety warning.

#### 4.5.1 For containers for brake fluid products, the labelling shall be positioned

on the containers (excluding the container covers).

#### 4.6.1 The container shall bear storage conditions and recommended use

periods.

it may be supplemented by additional information.

Annex A

(normative)

Graphical symbols of brake fluid types

A.1 Shape, dimension and color of graphical symbol of petroleum-based brake fluid

The graphical symbol of petroleum-based brake fluid is a green equilateral triangle with a red border around the edges, with a white oil drop positioned centrally inside the triangle. See Figure A.1.

The dimension of Figure A.1 is the smallest dimension. It can be scaled up in actual use. The symbol of larger dimension shall be used as much as possible.

Dimensions In millimeters

A.2 Shape, dimension and color of graphical symbol of non-petroleum-based brake fluid

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