

ICS 75.100



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

GB/T 28772-2012

Replacing GB/T 7631.3-1995

Classification of internal combustion engine oils

内燃机油分类

(English Translation)

Issued on: November 5, 2012

Implemented on: March 1, 2013

Issued by: Standardization Administration of China

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Foreword

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

This standard replaces GB/T 7631.3-1995 "engine oil category", compared with the GB/T 7631.3-1995, major technological changes as follows.

--- Increasing the GF-1, SJ, GF-2, SL, GF-3, SM, GF-4, SN, GF-5 engine oil varieties petrol and CF, CF-2, CG-4, CH-4, CI-4, CJ-4 diesel engine oil diesel oil varieties and agricultural varieties (see Table 1);

--- Increased engine oil varieties abrogated (see Appendix A);

--- Annul SC, SD gasoline engine oil varieties and CD-II, CE diesel engine oil varieties (see the 1995 version of the table);

--- Delete the original standard Annex A, Annex B (see the 1995 version of Annex A, Annex B).

The American Petroleum Institute standard reference API1509.2007 "engine oil certification system" and its Technical Bulletin 1 (in English) and vapor America Vehicle Association of Engineers standard SAEJ183.1991 "engine oil and engine performance using Classification" (in English).

This standard by the National Standardization Technical Committee on products and lubricant oil (SAC/TC280) proposed.

This standard by the National Standardization Technical Committee of petroleum products lubricants oil and lubricants and fuels Technical Committee (SAC/TC280/SC1) centralized.

This standard was drafted. China Petroleum & Chemical Corporation Research Institute of Petroleum.

1 Scope

This standard specifies the automotive and non-road engine lubricating oil (fuel oil, diesel oil and agricultural diesel oil) Code Description and detailed classification.

This standard does not apply to classified Locomotive diesel oil and marine diesel oil.

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 14906 engine oil viscosity classification

3 Code Description

3.1

Detailed engine oil is based on product characteristics, using the occasion and use objects division.

3.2

Each breed consists of two capital letters and numbers of the code representation. The first number is a contemporary letter "S" on behalf of steam Oil oil, "GF" on behalf of gasoline fuel, with fuel economy requirements for passenger car engine oil, and the first letter of the second letter or the first letters and numbers in the second letter and subsequent combination of the representative quality levels. The first number is a contemporary letter "C" on behalf of firewood Oil oil, and the first letter of the second letter on behalf of the combination of quality and grade, followed by the number 2 or 4, respectively, on behalf of two-stroke or four-stroke diesel Engine oil. Each particular species code should be accompanied by the GB/T 14906 stipulated viscosity grade.

3.3

classification system, a unified approach to the product name.

Example. a specific gasoline engine oil can be named SE30, GF-1 5W-30; a specific diesel oil can be named CF-415W-40; a special Given gasoline/diesel oil can be named Universal SJ/CF-415W-40 or diesel/gasoline engine oil can be named Universal CF-4/SJ15W-40.

NOTE: Use this code instructions do not include agricultural diesel oil.

4 Detailed

A detailed breakdown of engine oil are shown in Table 1.

NOTE: The engine oil varieties abolished in Appendix A.