

Translated English of Chinese Standard: GB/T36990-2018

www.ChineseStandard.net → Buy True-PDF → Auto-delivery.

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 75.100
E 36

GB/T 36990-2018

Classification of Automotive Service Lubricating Greases

车用润滑脂分类

Issued on: December 28, 2018

Implemented on: July 1, 2019

Issued by: State Administration for Market Regulation;

Standardization Administration of the People's Republic of
China.

Table of Contents

Foreword.....	3
1 Scope.....	4
2 Code Description	4
3 Specific Classification	5
Appendix A (Informative) Relations between Load and Automotive Operational Condition.....	8
References	9

Foreword

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

This Standard was proposed by and shall be under the jurisdiction of National Technical Committee 280 on Petroleum Products and Lubricants of Standardization Administration of China, Inorganic Chemical Industry Branch (SAC/TC 280).

The drafting organization of this Standard: SINOPEC Research Institute of Petroleum Processing.

The main drafters of this Standard: Yao Lidan, Liu Qizhong, Yang Haining.

Classification of Automotive Service Lubricating Greases

1 Scope

This Standard specifies the classification of automotive service lubricating greases.

This Standard is applicable to lubricating greases for automotive chassis, hub bearing and automotive accessories.

2 Code Description

2.1 The classification of automotive service lubricating greases is determined in accordance with the product classification requested by main application occasions of lubricating greases on automotive.

2.2 Each type of automotive service lubricating greases shall be represented by a code constituted of a group of capitalized English letters. Please refer to Table 1 for the meaning of the letters.

Table 1 -- Meaning of Code Letters in This Standard

	vehicles and other vehicles operated under light to intermediate load. Generally speaking, the majority of vehicles operated in cities, on expressways and non-roads shall consider intermediate load.	it can prevent bearings from corrosion and abrasion; it also has satisfying rubber compatibility. Operating temperature range shall be -40 °C ~ 120 °C; Generally speaking, lubricating greases with 2 [#] consistence are recommended; lubricating greases with 1 [#] or 3 [#] consistence can also be adopted.
GC	Applicable to hub bearings of passenger vehicles, commercial vehicles and other vehicles operated under intermediate to heavy load. If bearing temperature is relatively high, heavy load shall be considered. The operation of this type of vehicles is as follows: Frequent starts-stops (such as buses, taxis and urban police cars, etc.) or strong braking (such as trailers, heavy-loaded vehicles and other vehicles operated in mountainous areas, etc.)	This type of lubricating greases has resistance of oxidation, evaporation and thinning consistence. It can prevent bearings from corrosion and abrasion; it also has satisfying rubber compatibility. Operating temperature range shall be -40 °C ~ 160 °C, and it will occasionally reach 200 °C; Generally speaking, lubricating greases with 2 [#] consistence are recommended; lubricating greases with 1 [#] or 3 [#] consistence can also be adopted.
Universal Lubricating Greases for Chassis and Hub Bearing		
GC-LB	Applicable to buses, taxis and urban police cars, trailers, heavy-loaded vehicles, and passenger vehicles, trucks and other vehicles operated in mountainous areas under intermediate to heavy load.	The performance of this type of lubricating greases can simultaneously reach the performance of lubricating greases for Category-LB chassis and Category-GC hub bearings.
Lubricating Greases for Automotive Accessories		
PR	Applicable to rotatory bearings, such as alternator bearings, clutch release bearings, electromagnetic clutch bearings for air conditioners, water pump bearings and engine belt tensioner bearings.	This type of lubricating greases has a long service life and low noise emission; resistance to abrasion and rust; it satisfies variable-speed operation at an extremely high accelerated speed; Operating temperature range shall be -40 °C ~ 180 °C; Maximum rotating speed can reach 18,000 r/min; Generally speaking, lubricating greases with 2 [#] consistence are recommended; lubricating greases with other grades of consistence can also be adopted.

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----