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

GB/T 7631.11-2014

Replacing GB/T 7631.11-1994

**Lubricants, industrial oils and related products (class L) --
Classification -- Part 11: Family G (Slideways)**

润滑剂、工业用油和有关产品（L类）的分类 第11部分：G组(导轨)

(English Translation)

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Foreword

GB/T 7631 "Lubricants, industrial oils and related products (class L) Classification" is currently divided into the following sections.

--- Part 1. General packet;

--- Part 2. H (Hydraulic systems);

Part --- Chapter 4. F group (spindle, bearings and associated clutches);

Part --- Article 5. M (Metalworking);

--- Part 6. R (Temporary protection against corrosion);

Part --- Article 7. C group (gear);

--- Part 8. X group (grease);

Part --- Article 9. D (Compressors);

--- Part 10. T group (turbine);

Part --- Article 11. G group (rail);

--- Part 12. Q group (organic heat);

Part --- Article 13. A group (system-wide loss);

--- Part 14. U group (heat treatment);

--- Part 15. N group (insulating liquid);

Part --- Article 16. P (Pneumatic tools);

Part --- Article 17. E (Internal combustion engine oils).

This section GB/T Part of 117,631.

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

This Part replaces GB/T 7631.11-1994 "Lubricants and related products (L class) classification - Part 11. G group (guide)", and the main changes compared to 7631.11-1994 GB/T as follows.

--- Standard name was changed to "Lubricants, industrial oils and related products (L class) classification - Part 11. G group (guide)";

--- GB/T 7631.11-1994 LG modify the L-GA;

--- Increase L-GB and L-GS two varieties.

This section uses redrafted Law Amendment uses ISO 6743-13:2002 "Lubricants, industrial oils and related products (L class) classification Part 13. G group (guide)" (in English).

The portion of the ISO 6743-13:2002 compared to the technical differences are as follows.

--- On normative references, this part has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- use equivalent to international standards of GB/T 3141 instead of ISO 3448 (see Chapter 3).

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

This part of the National Standardization Technical Committee on Petroleum Products Lubricants oil and lubricants and fuels Technical Committee (SAC/TC280/SC1) centralized.

This section drafted by. China Petroleum & Chemical Corporation Research Institute of Petroleum.

1 Scope

GB/T 7631 provisions of this part of the class L (Lubricants, industrial oils and related products) in Group G (rail) detailed product classification.

This section should be consistent with GB/T 7631.1 linked understand.

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 3141 Industrial liquid lubricants - ISO viscosity classification (GB/T 3141-1994, eqv ISO 3448:1992)

3 Symbols Explanation

Detailed 3.1 G group is based on the set of a variety of products variety of different applications require determined.

By a group of letters symbols for each species represented 3.2, together constitute a code symbol.

Note: The first letter of the code (G) represents the product group belongs, when the second letter itself alone no meaning.

Each additional varieties can be named according to GB/T 3141 provisions viscosity grade.

3.3

In this classification system, the product named in a uniform manner. A particular product can be expressed in the form of complete (see Example 1), or Simplified form (see Example 2).

Example 1. ISO -L-GA150

Example 2. L-GA150

4 Detailed

Group G detailed breakdown in Table 1.

Table 1 Lubricants, industrial oils and related products (L class) classification group G (rail)

Group

symbol

application

range

special

application

more detail

application

Product type and /

Or performance requirements product Code (L-) typical application Remark G rail lubrication the two contact surfaces Metal rail system lubricating Refined mineral oil, and improved its abrasion resistance, corrosion resistance Resistance, viscosity and antisticking Slippery GA Lubricating parts of the machine package Including common rail, screw nut

Rod system, ball screw nut Rod system, plain bearings.

Oil should have antisticking Mott of slip and Save L-GA can be made with oil it has the same viscosity grade the L-HGa oil instead, Need to meet the anti-stick-slip properties Requirements