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

GB/T 7631.1-2008

Replacing GB/T 7631.1-1987

**Lubricants, industrial oils and related products (class L) --
Classification -- Part 1: General**

润滑剂、工业用油和有关产品(L类)的分类 第1部分：总分组
(English Translation)

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Foreword

GB/T 7631 Lubricants, industrial oils and related products (class L) classification, 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 --- Article 10. T group (turbine);

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

--- Part 12. Q group (heat transfer fluids);

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 17631 Part of.

This part identical with ISO 6743-99:2002 "Lubricants, industrial oils and related products (L class) classification - Part 99. Total Groups "(in English).

This Part replaces GB/T 7631.1-1987 "Lubricants and related products (L class) classification - Part 1. Generic Packet." this section compared with the GB/T 7631.1-1987, the main changes are as follows.

--- Standard name was changed to "Lubricants, industrial oils and related products (L class) classification - Part 1. Generic grouping";

--- S Class deleting "special lubricant applications." Appendix A of this section is an informative annex.

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

This part of the jurisdiction of the China Petroleum and Chemical Corporation.

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

1 Scope

This section provides lubricants, industrial oils and related products (L class) classification principles, the first part of GB 7631 series of standards Points, the name of this category of products "L" word head in English letters.

In this category, according to the extent possible, all applications Lubricants, industrial oils and related products for this product is divided into principle 18 groups. A detailed breakdown of each group is given by GB/T 7631 in other parts.

This classification applies only to new products.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 3141 Industrial liquid lubricants - ISO viscosity classification GB/T 7631.2 Lubricants, industrial oils and related products (L class) classification. Part 2. H (Hydraulic systems) GB/T 7631.4 Lubricants and related products (L class) classification - Part 4. F group (spindle, bearings and associated clutches) GB/T 7631.5 Lubricants and related products (L class) classification - Part 5. M (Metalworking) GB/T 7631.6 Lubricants and related products (L class) classification - Part 6. R (Temporary protection against corrosion) GB/T 7631.7 Lubricants and related products (L class) classification - Part 7. C group (gear) GB/T 7631.8 Lubricants and related products (L class) classification - Part 8. X group

(grease) GB/T 7631.9 Lubricants and related products (L class) classification - Part 9. D (Compressors) GB/T 7631.10 Lubricants and related products (L class) classification Part 10. T group (turbine) GB/T 7631.11 Lubricants and related products (L class) classification - Part 11. G group (rail) GB/T 7631.12 Lubricants and related products (L class) classification - Part 12. Q group (heat transfer fluids) GB/T 7631.13 Lubricants and related products (L class) classification Part 13. A group (Total loss systems) GB/T 7631.14 Lubricants and related products (L class) classification - Part 14. U group (heat treatment) GB/T 7631.15 Lubricants and related products (L class) classification Part 15. N group (insulating liquid) GB/T 7631.16 Lubricants and related products (L class) classification Part 16. P (Pneumatic tools) GB/T 7631.17 Lubricants, industrial oils and related products (L class) classification - Part 17. E (Internal combustion engine oils)

3 Symbols Explanation

3.1

A detailed breakdown of each group is based on the set of main applications required by the range of products and determined. The following table shows the breakdown of the class L 18 packets of the case.

3.2

Each product consists of a set of symbols with letters to represent.

Note: The first letter of the set of symbols representing respective groups of products, while behind the letters alone meaningless.

Full name of each product but also additional GB/T 3141 or specified viscosity grade grease NLGI consistency grade (see Appendix A).

3.3

In this classification system, the product name in a unified manner, for example, a particular product can complete the following form name, namely.

GB/T 7631.1-2008/ISO 6743-99:2002