

ICS 75.100
CCS E 34



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

GB/T 7631.10-2013

Replacing GB/T 7631.10-1992

**Lubricants, industrial oils and related products (class L) --
Classification -- Part 10: Family T (Turbines)**

润滑剂、工业用油和有关产品（L类）的分类 第10部分：T组（涡轮机）
(English Translation)

Issued on: November 27, 2013

Implemented on: May 1, 2014

Issued by: Standardization Administration of China

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Foreword

GB/T 7631 "Lubricants, industrial oils and related products (class L) Classification" is currently divided into the following 17 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 (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 Part of 107,631.

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

This Part replaces GB/T 7631.10-1992 "lubricants and related products (L class) classification Part 10. T group (turbine)," Compared with GB/T 7631.10-1992 main technical changes are as follows.

--- Modify the standard name;

--- Add or remove some of the product categories, and specific differences 1992 edition of Appendix A;

--- Increased by reference.

This section uses redrafted Law Amendment uses ISO 6743-5:2006 "Lubricants, industrial oils and related products (L class) classification Part 5. T group (turbine)." this part of ISO 6743-5. Compared to 2006, the technical differences are as follows.

--- On normative references, this standard 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.

- prepared according to the habit of the same series of standards, an increase of normative references a chapter (Chapter 2);

- use equivalent to international standards of GB/T 3141 instead of ISO 3448 (see 3.2);

--- About references, using our standard replaces ISO 6743-5:2006 references the part of the international standard (see reference);

--- Added Appendix B, is provided in this section and ISO 6743-5:2006 reg number control list.

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 L class group T (turbines) detailed product classification.

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

This section does not include aviation turbine products. However, some land station may use aviation turbine, lubricants such Selection recommendations based on the manufacturer's recommendations, depending on the application using the TGA, TGB ,

TGCH, TGCE or more special aviation turbine lubricants.

This section does not include wind turbine lubricants. Wind turbine gear lubricant used in the provisions of GB/T 7631.7 and the ISO 12925-1.

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 Using symbols

Detailed 3.1 T group is defined by the set of applications required for various types of products determined.

Symbol 3.2 for each product with a set of letters to represent. These symbols together constitute a code.

The first letter of each product (T) indicates where the group of products, while the subsequent letter meaningless alone.

Each product name can be attached by GB/T 3141 provisions viscosity grade.

3.3

In this classification system, the product named in a uniform manner. For example, a particular product can be expressed in the form of a complete ISO -L-TSA46, or in a simplified form as L-TSA46.

3.4

In this classification system, turbine lubricants are classified separately. Some common turbine lubricants can be used for different types of turbines machine. Here are some examples (These examples are not limiting).

--- Above lubricants may be L-TSA, L-TGA and L-THA class;

--- Above lubricants may be L-TSE and L-THE classes;

--- Above lubricants may be L-TGB and L-TGSB class;

--- Above lubricants may be L-TGF and L-TGSE class;

--- Above lubricants may be L-TSD, L-TGD and L-TCD class.

4 Detailed

Lubricants, industrial oils and related products (L class) -T group (turbine) a detailed breakdown in Table 1.