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International Standard



6743/7

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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**Lubricants, industrial oils and related products (class L) —  
Classification —  
Part 7 : Family M (Metalworking)**

*Lubrifiants, huiles industrielles et produits connexes (classe L) — Classification — Partie 7 : Famille M (Travail des métaux)*

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## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 6743/7 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

# Lubricants, industrial oils and related products (class L) — Classification — Part 7 : Family M (Metalworking)

## 1 Scope and field of application

This part of ISO 6743 establishes the detailed classification of family M (Metalworking) which belongs to the class L (Lubricants, industrial oils and related products).

It should be read in conjunction with ISO 6743/0.

To avoid any misunderstanding and to clarify the text, the following annexes are included :

- annex A : definitions of certain words or terms used in this classification;
- annex B : distribution of categories of products by field of application in tabular form;
- annex C : distribution of categories of products, in relation to their constitution and properties, in tabular form.

## 2 References

ISO 3448, *Industrial liquid lubricants — ISO viscosity classification*.

ISO 6743/0, *Lubricants, industrial oils and related products (class L) — Classification — Part 0 : General*.

## 3 Explanation of symbols used

**3.1** This detailed classification of family M has been established by defining the categories of products required for the main applications of this family.

**3.2** Each category is designated by a symbol consisting of a group of three letters, which together constitute a code.

NOTE — The first letter of the category (M) identifies the family of the product considered but any following letters taken separately have no significance on their own.

The designation of each category can be supplemented by the addition of viscosity grades according to ISO 3448.

**3.3** In this classification system, products are designated in a uniform manner. For example, a particular product may be designated in the complete form, i.e. : ISO-L-MHA 32, or in an abbreviated form, i.e. : L-MHA 32, the number indicating the class of viscosity according to ISO 3448.

## 4 Classification of lubricants for metalworking (family M)

See table 1.