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## **Lubricants, industrial oils and related products (class L) — Classification —**

### **Part 8 : Family R (Temporary protection against corrosion)**

*Lubrifiants, huiles industrielles et produits connexes (classe L) — Classification —*

*Partie 8: Famille R (Protection temporaire contre la corrosion)*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

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 6743-8 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.

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# Lubricants, industrial oils and related products (class L) — Classification —

## Part 8 : Family R (Temporary protection against corrosion)

### 1 Scope and field of application

This part of ISO 6743 establishes the detailed classification of family R (Temporary protection against corrosion), which belongs to class L (Lubricants, industrial oils and related products).

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

This classification applies to categories of products which are assigned to ensure temporary protection against corrosion. It includes only those products the main function of which is to ensure temporary protection, the word "temporary" being relevant not to time-limit product efficiency but to the capacity for removal of the product after a certain time.

This classification excludes products that are applied for other purposes but also ensure temporary protection. Vapour-phase inhibitors and other chemical products that differ from petroleum products in behaviour are also excluded.

This classification applies to protection of both bare metals and coated metals (painted metallic surfaces, car bodies, etc.). In addition, corrosion is regarded as deterioration of surfaces of all metals, not only ferrous.

### 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 R has been established by defining the categories of products required for the main applications of temporary protection against corrosion, in relation with duty conditions (see the annex) and nature of the protecting film.

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

NOTE — The first letter of the category (R) 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 complete form, i.e. : ISO-L-RE, or in an abbreviated form, i.e. : L-RE.