
International Standard



6743/4

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**Lubricants, industrial oils and related products (class L) —
Classification —
Part 4: Family H (Hydraulic systems)**

Lubrifiants, huiles industrielles et produits connexes — Classe L — Classification — Partie 4: Famille H (Systèmes hydrauliques)

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Descriptors : hydraulic fluids, classification.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

International Standard ISO 6743/4 was developed by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, and was circulated to the member bodies in August 1981.

It has been approved by the member bodies of the following countries:

Australia	India	Romania
Austria	Iran	South Africa, Rep. of
Belgium	Israel	Spain
Brazil	Japan	Sweden
Canada	Korea, Rep. of	Switzerland
Egypt, Arab Rep. of	Netherlands	Turkey
France	Norway	United Kingdom
Germany, F.R.	Peru	USSR
Hungary	Poland	

The member bodies of the following countries expressed disapproval of the document on technical grounds:

Ireland
USA

Lubricants, industrial oils and related products (class L) — Classification — Part 4 : Family H (Hydraulic systems)

1 Scope and field of application

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

This document should be read in conjunction with part 0.

This classification excludes, for the time being, automotive brake fluids and airborne hydraulic fluids.

2 Reference

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

3 Explanation of symbols used

3.1 This detailed classification of family H has been established by defining the categories of products required for the

main applications of this family and final subdivision by reference to composition of corresponding products.

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 code (H) identifies the family of the product considered but any following letters taken separately have no significance of 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-HV 32, or in an abbreviated form, i.e. L-HV 32, the number indicating the viscosity according to ISO 3448.