



SLOVENSKI STANDARD
oSIST prEN ISO 6743-4:2013
01-december-2013

**Maziva, industrijska olja in sorodni proizvodi (skupina L) - Klasifikacija - 4. del:
Podskupina H (hidravlični sistemi) (ISO/DIS 6743-4:2013)**

Lubricants, industrial oils and related products (class L) - Classification - Part 4: Family H (Hydraulic systems) (ISO/DIS 6743-4:2013)

Schmierstoffe, Industrieöle und verwandte Erzeugnisse (Klasse L) - Klassifizierung - Teil 4: Familie H (Hydraulische Systeme) (ISO/DIS 6743-4:2013)

Lubrifiants, huiles industrielles et produits connexes (classe L) - Classification - Partie 4: Famille H (Systèmes hydrauliques) (ISO/DIS 6743-4:2013)

Ta slovenski standard je istoveten z: prEN ISO 6743-4

ICS:

75.100	Maziva	Lubricants, industrial oils and related products
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DRAFT INTERNATIONAL STANDARD

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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)*

[Revision of second edition (ISO 6743-4:1999)]

ICS: 75.120

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ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6743-4 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, Subcommittee SC 4, *Classifications and specifications*.

This third edition cancels and replaces the second edition (ISO 6743-4:1999), of which it constitutes a technical revision in that the table of classification now includes environmentally acceptable fluids.

ISO 6743 consists of the following parts, under the general title *Lubricants, industrial oils and related products (class L) — Classification*:

- Part 0: General
- Part 1: Family A (*Total loss systems*)
- Part 2: Family F (*Spindle bearings, bearings and associated clutches*)
- Part 3:A: Family D (*Compressors*)
- Part 3 B: Family D (*Gas and refrigeration compressors*)
- Part 4: Family H (*Hydraulic systems*)
- Part 5: Family T (*Turbines*)
- Part 6: Family C (*Gears*)
- Part 7: Family M (*Metal working*)
- Part 8: Family R (*Temporary protection against corrosion*)
- Part 9: Family X (*Greases*)
- Part 10: Family Y (*Miscellaneous*)
- Part 11: Family P (*Pneumatic tools*)
- Part 12: Family Q (*Heat transfer fluids*)
- Part 13: Family G (*Slideways*)
- Part 14: Family U (*Heat treatment*)
- Part 15: Family E (*Internal combustion engines*)

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

1 Scope

This part of ISO 6743 establishes the detailed classification of fluids of Family H (Hydraulic systems) which belong to class L (Lubricants, industrial oils and related products). It should be read in conjunction with ISO 6743-0. This classification system does not include automotive brake fluids or aircraft hydraulic fluids.

2 Normative references

The following normative references are relevant to this part of ISO 6743. For undated references, the latest edition of the referenced document (including any amendments) applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 3448:1992:Cor 1:1993, *Industrial liquid lubricants – ISO viscosity classification*

ISO 6743-0:1999, *Lubricants, industrial oils and related products (class L) – Classification – Part 0: General*

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 the family and final sub-division 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.

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.

NOTE 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.

4 Detailed classification

The detailed Classification of Hydraulic Fluids is shown in Table 1.