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Lubricants, industrial oils and related products (class L) — Family H (Hydraulic systems) — Specifications for categories HETG, HEPG, HEES and HEPR

Lubrifiants, huiles industrielles et produits connexes (classe L) — Famille H (Systèmes hydrauliques) — Spécifications applicables aux catégories HETG, HEPG, HEES et HEPR



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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 15380 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, Subcommittee SC 4, *Classifications and specifications*.

This second edition cancels and replaces the first edition (ISO 15380:2002), of which it constitutes a minor revision.

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Introduction

The specifications for hydraulic fluids based upon mineral oils (H) are described in ISO 11158^[1] and the specifications for fire-resistant hydraulic fluids (HF) are given in ISO 12922^[2]. This International Standard gives specifications for environmentally acceptable hydraulic fluids (HE). These fluids are readily biodegradable and have a low ecotoxicity. They are designed to minimize the impact upon the environment in the event of a leak or spill.

This International Standard contains three informative annexes. Annex A contains guidelines for changing fluids from mineral-based oils to environmentally acceptable fluids. Annex B contains additional information on shear stability and the yellow metal test. Annex C covers the disposal of hydraulic fluids.