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

Part 6: Family C (gear systems)

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

Partie 6: Famille C (engrenages)



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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.

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html

This document was prepared by ISO/TC 28, *Petroleum products and lubricants*, Subcommittee SC 4, *Classification and specifications*.

This second edition cancels and replaces the first edition (ISO 6743-6:1990), which has been technically revised.

The main change from the previous edition is that the table of classification now details the various types of synthetic fluids, and includes environmentally acceptable fluids and specific fluids for protection against the micro-pitting phenomenon.

A list of all the parts of ISO 6743 can be found on the ISO website.

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Introduction

Recent evolutions in the area of gear lubrication have led to the necessity of an update of the classification of gear lubricants.

The former classification mentioned “synthetic lubricants”, without any precision about their chemical nature.

For some applications, environmentally acceptable lubricants are needed.

This new classification includes different types of synthetic lubricants and environmentally acceptable lubricants. It includes also a specific category of lubricant exhibiting properties for the protection against the micro-pitting phenomenon.

This completes the classification presented in the previous edition, ISO 6743-6:1990, and fulfils the needs of the industry.