
**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

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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.

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.