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Lubricants, industrial oils and related products (class L) — Family T (Turbines) — Specification for lubricating oils for turbines

Lubrifiants, huiles industrielles et produits connexes (classe L) — Famille T (Turbines) — Spécifications pour les huiles lubrifiantes pour turbines



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Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Sampling	4
4 Requirements for turbine oils	4
5 Specification tables	5
Bibliography	16

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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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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 8068 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 8068:1987), which has been technically revised. ISO 8068:1987 is only dealing with the specifications of TSA and TGA categories of turbine oils. This new edition gives specifications for all the turbine oil categories described in ISO 6743-5:2006.

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Introduction

New turbine technologies have emerged in recent years leading to the changes in lubricant requirements. For example, the development of single shaft combined cycle turbines has resulted in the use of a common lubrication system for both the gas and steam turbine. The lubricant should therefore meet the requirements for the lubrication of both pieces of equipment.

The growing concern regarding the environmental behaviour of lubricants is also leading to the use of biodegradable products when there are risks of leakage into soil or surface water. This is particularly the case with hydraulic power plants and lubricants in this application should demonstrate a low ecotoxicity.