
Lubricants, industrial oils and related products (class L) — Family R (Products for temporary protection against corrosion) — Guidelines for establishing specifications

*Lubrifiants, huiles industrielles et produits connexes (classe L) —
Famille R (Produits de protection temporaire contre la corrosion) — Lignes
directrices pour l'établissement de spécifications*



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 1999

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 734 10 79
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Explanations of symbols used	2
4 Specification guide	2
Annex A (informative) Compatibility with wet skin pass products	14
Annex B (informative) Long duration cyclic staining test on stacked plates	17
Annex C (informative) Test of exposure under outside shelter	19
Annex D (informative) Evaluation of film homogeneity/wetting	23
Annex E (informative) Compatibility of the products with the primary crosslinkable paints applied by electro-deposition	26
Bibliography	32

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 3.

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.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of normative document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed every three years with a view to deciding whether it can be transformed into an International Standard.

Attention is drawn to the possibility that some of the elements of this ISO/TS 12928 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/TS 12928 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, Subcommittee SC 4, *Classifications and specifications*.

Annexes A, B, C, D and E of this Technical Specification are for information only.

Introduction

Considering the difficulties of establishing an international specification for products for temporary corrosion protection, it has been decided to publish guidelines for establishing specifications under the form of an ISO Technical Specification.

This document contains, in annexes A to E, suggested test methods to evaluate some properties.

This document is a preview generated by EVS

This document is a preview generated by EVS

Lubricants, industrial oils and related products (class L) — Family R (Products for temporary protection against corrosion) — Guidelines for establishing specifications

1 Scope

This Technical Specification has been prepared with the following purposes:

- to facilitate the application of ISO 6743-8 and to specify the characteristics to be taken into account when establishing specifications for a given application;
- to enable these characteristics to serve as a basis for discussion between the end user and the supplier.

This Technical Specification does not cover specific requirements which should be examined separately with a view to a common agreement between the end user and the product supplier.

This Technical Specification does not cover the health, safety, disposal and environment areas which should be dealt with separately, according to the regulations or laws in force in each country.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this Technical Specification. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this Technical Specification are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 2137:1985, *Petroleum products — Lubricating grease and petrolatum — Determination of cone penetration.*

ISO 3448:1992, *Industrial liquid lubricants — ISO viscosity classification.*

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods.*

ISO 6743-0:1981, *Lubricants, industrial oils and related products (class L) — Classification — Part 0: General.*

ISO 6743-8:1987, *Lubricants, industrial oils and related products (class L) — Classification — Part 8: Family R (Temporary protection against corrosion).*

EN 10130:1991, *Cold rolled low carbon steel flat products for cold forming — Technical delivery conditions.*

NF T 60-166:1994, *Temporary protection against corrosion — Method of preparing metallic probes for the evaluation of the properties of preservative products.*

NF T 60-170:1994, *Temporary anticorrosion products — Assessment of the covering capacity by dipping.*

NF X 41-002:1975, *Protection against physical, chemical and biological agents — Salt spray test.*