
**Lubricants, industrial oils and
related products (class L) — Family C
(gears) —**

**Part 1:
Specifications for lubricants for
enclosed gear systems**

**AMENDMENT 1: Pour point, according
to ISO 3016, of categories CKTG, CKES,
CKPG and CKPR — Change of limits**

*Lubrifiants, huiles industrielles et produits connexes (classe L) —
Famille C (engrenages) —*

*Partie 1: Spécifications des lubrifiants pour systèmes d'engrenages
sous carter*

*AMENDEMENT 1: Point d'écoulement selon l'ISO 3016 des catégories
CKTG, CKES, CKPG et CKPR – Modifications des limites*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*, Subcommittee SC 4, *Classifications and specifications*.

A list of all parts in the ISO 12925 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

STANDARDSISO.COM : Click to view the full PDF of ISO 12925-1:2018/Amd 1:2020

Lubricants, industrial oils and related products (class L) — Family C (gears) —

Part 1:

Specifications for lubricants for enclosed gear systems

AMENDMENT 1: Pour point, according to ISO 3016, of categories CKTG, CKES, CKPG and CKPR — Change of limits

Clause 2

Add the following reference:

OECD 208, *Terrestrial Plant Test: Seedling Emergence and Seedling Growth Test*

Clause 6, Table 7

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
Viscosity class	ISO 3448		VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Pour point, max.	ISO 3016	°C	-36	-36	-36	-24	-24	-18	-18	-15	-15

with the following new row:

Pour point, max.	ISO 3016	°C	Criteria of performance or values of characteristics to be negotiated between supplier and end user								
------------------	----------	----	---	--	--	--	--	--	--	--	--

Clause 6, Table 8

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
Viscosity class	ISO 3448		VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Pour point, max.	ISO 3016	°C	-36	-36	-36	-24	-24	-18	-18	-15	-15

with the following new row:

Pour point, max.	ISO 3016	°C	-15	-12	-9	-9	-9	-9	-9	-6	-6
------------------	----------	----	-----	-----	----	----	----	----	----	----	----

Clause 6, Table 9

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
Viscosity class	ISO 3448		VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Pour point, max.	ISO 3016	°C	-36	-36	-36	-24	-24	-18	-18	-15	-15

with the following new row:

Pour point, max.	ISO 3016	°C	-15	-12	-12	-9	-9	-9	-6	-6	-6
------------------	----------	----	-----	-----	-----	----	----	----	----	----	----

Clause 6, Table 10

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
Viscosity class	ISO 3448		VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Pour point, max.	ISO 3016	°C	-36	-36	-36	-24	-24	-18	-18	-15	-15

with the following new row:

Pour point, max.	ISO 3016	°C	-15	-12	-12	-9	-9	-9	-6	-6	-6
------------------	----------	----	-----	-----	-----	----	----	----	----	----	----

Add the following row for load carrying properties:

Property	Test method	Unit	Specifications
Viscosity class	ISO 3448		All VG grades
Load carrying properties ^e – A/8,3/90 Failure stage, min.	ISO 14635-1		12

Clause 6, Tables 2 to 14

For the "Viscosity class" and "Foaming" rows, replace the specifications information as follows:

Property	Test method	Unit	Specifications
Viscosity class	ISO 3448		All VG grades
Foaming Tendency/stability max. Sequence 1 at 24 °C Sequence 2 at 93 °C Sequence 3 at 24 °C after 93 °C	ISO 6247	ml/ml ml/ml ml/ml	100/10 100/10 100/10