

Second edition
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AMENDMENT 1
2020-05

**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*



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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.

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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

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Replace the current row for pour point:

Property	Test method	Unit	Specifications								
			VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Viscosity class	ISO 3448										
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								
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Clause 6, Table 8

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
			VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Viscosity class	ISO 3448										
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
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Clause 6, Table 9

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
			VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Viscosity class	ISO 3448										
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
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Clause 6, Table 10

Replace the current row for pour point:

Property	Test method	Unit	Specifications								
			VG 46	VG 68	VG 100	VG 150	VG 220	VG 320	VG 460	VG 680	VG 1000
Viscosity class	ISO 3448										
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
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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.	ISO 6247		
Sequence 1 at 24 °C		ml/ml	100/10
Sequence 2 at 93 °C		ml/ml	100/10
Sequence 3 at 24 °C after 93 °C		ml/ml	100/10

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