

## Product Data Sheet

# OPTIMOL VISCOGEN<sup>®</sup> KL

Synthetic high-temperature lubricant

### DESCRIPTION

OPTIMOL VISCOGEN<sup>®</sup> KL are thermally stable synthetic lubricants especially suited for chain lubrication. Solid-free and silicone-free additives with an excellent load carrying capacity form an extremely adhesive lubricating film.

### APPLICATIONS

OPTIMOL VISCOGEN<sup>®</sup> KL is available in 6 different viscosities depending on the ambient and operating conditions.

The dimensions of the chain as well as its structural shape (e.g. roller, pin, ladder chains, insertion and flat link hoisting chains) are important when selecting the right viscosity. The way the lubricant is applied must also be observed (e.g. manual lubrication, drip feed lubricator, central lubrication, sump lubrication or via spray can).

OPTIMOL VISCOGEN<sup>®</sup> KL for all industrial areas e.g. in:

High-rack storage shelves, bakery machines, paint lines, conveyor chains, tenter frames and dryers, washing plants, underfloor chains, steamers, slashers, baking ovens, slide ways, spindles, ropes, open gear wheels, plastic toothed belts, sheet-fed offset machines etc.

### ADVANTAGES

- OPTITEC<sup>®</sup> - OPTIMOL technology
- exceptional adhesion, penetration and load carrying capacity
- is not washed out by water, resistant to hot water
- chemically stable in the pH-value range of 2.5 to 10.5
- odorless, non-toxic
- silicone-free
- evaporates at high temperatures with extremely low formation of residues
- excellent corrosion protection, extraordinary aging resistance
- thermally stable - depending on the viscosity up to 250°C/482°F

### NOTES FOR USE

- If lubricant drips off, select next higher viscosity.
- Compatible and miscible with mineral oils.
- Easy and economical use with adjustable spray head. Spraying foam remains until oil has penetrated into the friction point.
- In spray cans: OPTIMOL VISCOGEN<sup>®</sup> KL 3 SPRAY (article no. 08456), OPTIMOL VISCOGEN<sup>®</sup> KL 23 SPRAY (08430), OPTIMOL VISCOGEN<sup>®</sup> KL 300 SPRAY (08428).

# OPTIMOL VISCOGEN<sup>®</sup> KL

## Technical data

	Unit	Value						Test method
<b>OPTIMOL VISCOGEN KL<sup>®</sup></b>	-	<b>3</b>	<b>9</b>	<b>15</b>	<b>23</b>	<b>130</b>	<b>300</b>	-
Article no.	-	07201	07203	07205	07207	07209	07211	-
Color	-	green						visual
Base	-	synthetic oil						-
ISO viscosity group	-	32	100	220	-	1500	-	DIN 51519
Density at + 15°C/+ 59°F	kg/m <sup>3</sup>	927	964	947	954	933	925	DIN 51757
Kin. viscosity at + 40°C/+ 104°F at + 100°C/+ 212°F	mm <sup>2</sup> /s	31.5 6.42	99.1 12.17	218.8 20.07	248.5 23.03	1571 96.78	4032 210	DIN 51562
Pour point	°C °F	- 60 - 76	- 51 - 59.8	- 42 - 43.6	- 45 - 49	- 27 - 16.6	- 18 - 0.4	DIN ISO 3016
Copper corrosion protection at + 100°C/+ 212°F/3h	-	0	1	1	1	1	1	ASTM D-130
Steel corrosion protection	-	0 - A	0 - A	0 - A	0 - A	0 - A	0 - A	DIN 51355

1 mm<sup>2</sup>/s  $\hat{=}$  1 cSt

These technical data are based on average test results. Minor deviations may occur from case to case. For further product information please contact the Technical Service of Castrol Industrie GmbH.

Above data are based on extensive tests and practical experience. Considering the wide range of application requirements, they cannot, however, guarantee success in every single case. We therefore recommend practical trials. We reserve the right to change the product composition with a view to further improvement.

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