

## Technical Data Sheet

# KRONES celerol FL 7301

### Description and fields of application

KRONES celerol FL 7301 is a high-performance special gear oil based on mineral oils with highly effective EP additives.

It exceeds the minimum requirements of lubrication oils CLP according to DIN 51517-3 by far. Thanks to its high performance, KRONES celerol FL 7301 is especially suitable for use in gears and oil-circulating lubrication systems in machines of KRONES AG.

KRONES celerol FL 7301 meets also the criteria of the certified enviro sustainability program.

Among others, its declared strengths are:

- Constantly distinguished lubrication performance in gears also under high load.
- First-class oxidation stability and therefore high ageing stability
- High thermal stability
- Excellent load-bearing capability
- Good corrosion protection



### Technical Data

Baseoil:	Mineral oil
Colour:	Brown
Odour:	Characteristic
Density at 15°C; DIN 51757:	approx. 0.9 g/cm <sup>3</sup>
Kinematic viscosity at 40°C; ISO 3104:	approx. 100 mm <sup>2</sup> /s
Kinematic viscosity at 100°C; ISO 3104:	approx. 11 mm <sup>2</sup> /s
Viscosity index; ISO 2909:	98
Pour point; ISO 3016:	-21°C
Flash point; ISO 2592:	+240°C
FZG scuffing test; ISO 14635-1; A/8.3/90; scuffing load stage:	>12
Lower service temperature:	-10°C
Upper service temperature:	+100°C

Data on usage temperature are guide values which are based on the lubricant structure, the defined purpose of use, and the application technology. Depending on the type of mechanical strain, on temperature, pressure and time, greases change their consistency, apparent viscosity or viscosity. This change of product feature can affect the functions of components. All data are average values. The usual tolerances are valid.

**Minimum shelf life**

The minimum shelf life is approx. 60 months if the unopened packs are stored in a dry and frost-free place from the date of production.

**Material safety data sheet**

The current material safety data sheets can be requested at KIC KRONES at any time.

**Disposal note**

Lubricants and empty packs are to be disposed of via authorized collection points. Lubricants must not reach the environment.

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The contents of this product information are based on our general experience and to the best of our knowledge at the time of printing. The product information should provide hints for possible applications to the technically experienced reader. However, the product information is not intended to guarantee any properties of the described product, nor the suitability of the product for individual applications. It does not release the user from testing the selected product prior to application. We recommend individual consultation and are happy to provide samples on request, if possible. KRONES celerol products are continuously developed. We therefore reserve the right to change all technical data of this brochure at any time without notice.