

# Syntene OG 18

SPECIAL LUBRICANT FOR "OPEN GEAR"

## Description

**Syntene OG 18** is a very high viscosity lubricant formulated with synthetic hydrocarbon bases and special additives that makes it particularly suitable for "open gear" operating in extremely severe working conditions.

**Syntene OG 18** special formulation gives the product excellent lubricating properties, excellent EP and anti-wear performance to effectively counteract the formation of corrosion phenomena.

The quality of the base oils used and the careful selection of additives added give the product good pumpability and make it suitable for gears exposed to high pressures and high temperatures; in addition, the very high viscosity index and the adequate pour point always ensure a perfect functioning of the mechanical parts.

**Syntene OG 18** does not contain solvents, bitumen, chlorinated compounds, heavy metals or other solid lubricants.

## Features

- ✓ **Exceptional EP properties**, to guarantee an appropriate lubricating film even in presence of high pressures.
- ✓ **High resistance to oxidation and thermal stability**, to prevent aging and sludge formation, even at high operating temperatures.
- ✓ **Very high viscosity index**, to guarantee efficiency in service over a wide range of temperatures.
- ✓ **High shear stability**, even in the presence of strong stresses, in order to maintain viscosity in the long term.
- ✓ **Excellent anti-wear, anti-rust and anti-corrosion properties** to minimize friction and corrosion.

## Main uses

**Syntene OG 18** is designed for the lubrication of :

- Open gear and large gears
- Rotary drum mills and kilns of the mining and cement industry
- Mills and gears of the paper and sugar industries
- Gears and gearboxes in the chemical, marine and offshore sectors.

The data in this TDS are based on our general knowledge and experience. Aluchem is not responsible for their use.  
The final user is free to make his own tests and analysis. Aluchem reserves the right to update this document every time is needed.



# Technical Data

	Method	Units	Typical Value
Appearance	-	-	Clear and transparent
Density at 20°C	ASTM D 1298	g/cm <sup>3</sup>	0,930
Viscosity at 40°C	ASTM D 7042	mm <sup>2</sup> /s	18.000
Viscosity at 100°C	ASTM D 7042	mm <sup>2</sup> /s	630
Viscosity index	ASTM D 2270	-	190
Pour Point	ASTM D 97	°C	< 9
Flash point(C.O.C)	ASTM D 92	°C	> 200
Wear Test FZG	DIN 51354	-	> 12
4 Ball – Welding Test	ASTM D 2783	Kg	700

- **Syntene OG 18** indicative thermal range usage : from 10 to 120 °C.
- **Syntene OG 18** can be applied by immersion, manually or with centralized automatic systems; it is recommended not to exceed the peripheral rotation speed of 10 m/s.
- **Syntene OG 18** is compatible and miscible with mineral and/or synthetic oils except those based on polyalkylene glycols (PAG).
- **Syntene OG 18** is compatible with the most common types of seals and paints used in this kind of mechanisms.
- Store the product in its closed original container in a protected area and not exposed to sunlight and rain.
- **Aluchem** owns the following certifications: UNI EN ISO 9001:2015, KOSHER, HALAL.

Product tiering: Premium

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