

# COP oil

For Epiroc components we combine technology and environmental sustainability



# Oil based on technology

Rock drills are precision engineered for superior drilling performance. COP oil is designed and developed by Epiroc to ensure long lasting operational capability. The development has been driven by environmental sustainability and reliability.

Safety Data Sheet (SDS) available online

Mainly based upon renewable and biodegradable raw materials



Adhesion and larger drop formation contributes to the excellent lubricating properties

Whitstands heavy loads and protects against wear and corrosion

## + Main benefits

Reduces environmental impact during operation

Maintains equipment reliability and reduces operational costs

Ensures your rock drill stays in optimal operating condition



COP oil has a wide temperature range that provides optimal operational output even under the most extreme conditions.



COP oil is made of carefully selected components giving the highest technical performance.



Contributes to the highest technical performance.

# Part numbers and technical specifications

## Part numbers

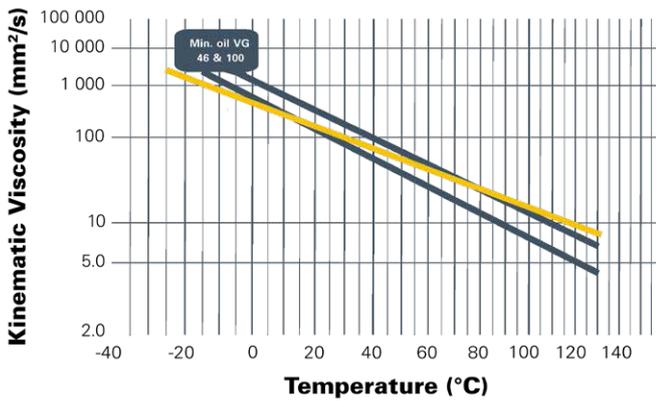
| Fluid    | 4 litres     | 20 litres    | 30 cans x 20 litres | 209 litres   | 1 000 litres |
|----------|--------------|--------------|---------------------|--------------|--------------|
| COP oil* | 3115 3125 02 | 3115 3125 01 | 3115 3126 01        | 3115 3127 00 | 3115 3129 00 |

\*Biodegradable

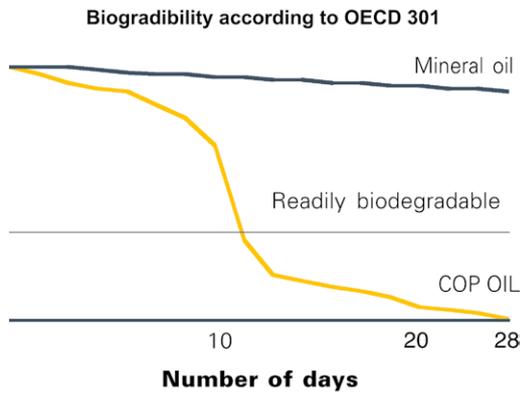
## Lubricant characteristics

| Properties   | COP oil                 |
|--|-------------------------|
| Density at 15 °C (59 °F)   | 927 kg/m <sup>3</sup>   |
| Viscosity at 40 °C (104 °F)                                      | 65 mm <sup>2</sup> /s   |
| Viscosity at 100 °C (212 °F)                                     | 13.4 mm <sup>2</sup> /s |
| Viscosity index  | 215                     |
| Pour point   | -39 °C (-38 °F)         |
| Flash point  | 250 °C (482 °F)         |
| Four-ball WL   | 300 kg                  |
| MSD (45 kg)  | 0.49 mm                 |
| Specifications, approvals and recommendations                    |                         |
| Approved in accordance with the German authorities 'Blue Angel'  |                         |
| Approved in accordance with the Swedish authorities 'Ren Smörja' |                         |

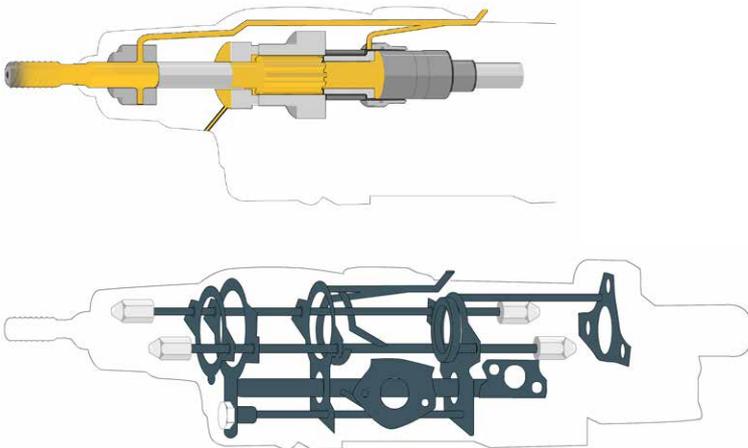
## Viscosity/temperature



## Biodegradability



## Importance of lubrication - parts in the rock drill being lubricated



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