

Gas-to-Liquids Innovative cutting and grinding oils



The new Gas-to-Liquid (GTL) cutting and grinding oils are from the latest generation of machining oils. In the GTL manufacturing process, natural gas is converted into an extremely pure, synthetic oil. This process ensures that the oil is free from organic nitrogen, heavy metals, zinc and chlorine compounds.

The resulting GTL products form the OEMETOL GT range of oils. They are characterised by a very **high flash point** and **low emissions**. These qualities ensure good occupational safety, and lower consumption. Compared to conventional mineral or hydrocracked oils, the higher lubricating performance and low foaming behaviour of the GTL oils, reduce wear and improve process reliability.

Products

OEMETOL 605 GT

- Viscosity at 40 °C: 5 mm²/s
- Flash point: 144 °C
- Density: 811 kg/m³
- Evaporation loss: 10.3 % (Noack at 150 °C)

OEMETOL 610 GT

- Viscosity at 40 °C: 11 mm²/s
- Flash point: 204 °C
- Density: 826 kg/m³
- Evaporation loss: 24.3 % (Noack at 250 °C)
- Not cytotoxic (EN ISO 10993-5:2009)

OEMETOL 620 GT

- Viscosity at 40 °C: 22 mm²/s
- Flash point: 230 °C
- Density: 836 kg/m³
- Evaporation loss: 6.5 % (Noack at 250 °C)
- No labelling

Benefits at a glance

- Selected EP and AW-additives deliver excellent lubricating performance
- Less odour
- Very low evaporation loss
- Low-foaming and outstanding air separation characteristics
- Improved filterability and efficiency due to low density

The GTL cutting and grinding oils compared to conventional hydrocracked oils:

