Oest Meba S

Synthetic high performance oils for metal cutting processes

Maximum process safety and efficiency

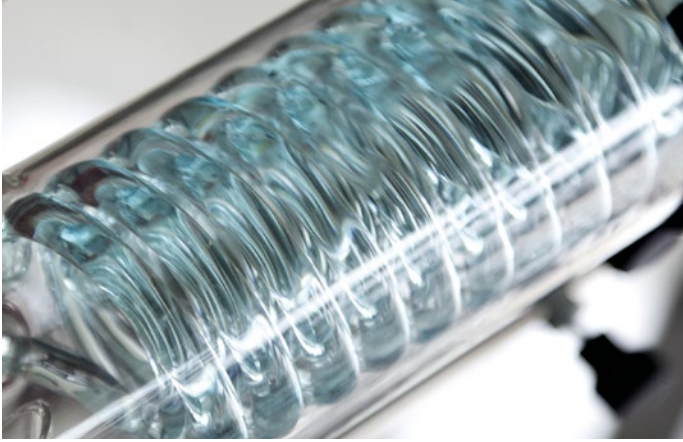
Oest Meba S
synthetic high performance cutting oils

The Oest Meba range offers synthetic oils based on PAO and GTL as well, both completely free from mineral oil.

Advantages versus mineral oils

Mineral oils are mixtures of different molecular structures, which are derived by refining of crude oil. In contrast synthesis of GTL / PAO starts from exactly defined substances and results in highly pure, colourless and smell-free oils which provide significant advantages:

- **Free from aromatic compounds**
- **High flashpoint**
- **Minimised evaporation loss**
- **Optimal air release**
- **High thermal stability**
- **High viscosity index**



Gas-to-Liquid | GTL

Raw material source: Natural gas

GTL oils are produced from purified methane following a Fischer-Tropsch-Synthetis.

Mineral oil	GTL oil
up to 10%	free
☺	☺ ☺
☺	☺ ☺
☺	☺ ☺
☺	☺ ☺ ☺
90-100	130-140
	Optimal price-to-performance ratio

Polyalphaolefine | PAO

Raw material source: Crude oil

PAO oils are synthetised by oligomerisation starting (mainly) from ethylene.

PAO oil
free
☺ ☺
☺ ☺ ☺
☺ ☺
☺ ☺ ☺
130-140
Maximal performance – but highest price

Benefits for the user

synthetic base oils provide advantageous features and contribute thereby significantly to improve efficiency and safety of metal cutting processes. Particular at lower viscosities they show very interesting benefits compared to conventional mineral oil based products.

- Minimised health and safety risk for the workers who are running the machine tools
- Maximal safety regarding risk of fires and explosions
- Reduced loss via formation of smoke and aerosols, minimised workplace contamination
- Safe lubricating and cooling, particularly important to avoid burning at grinding processes
- Ensure long oil life and trouble-free use
- Effective lubricating film at higher temperatures

Oest product range around metalworking processes

Lubricants for machining operations

■ Water miscible cooling lubricants

Colometa S	full synthetics
Colometa F	FAD-free emulsions
Colometa P	bactericide-free emulsions

■ Non-water miscible cooling lubricants

Meba	cutting oils for all materials
Meba S	synthetic high performance oils
Meba G / H	grinding and honing oils
Meba R	with CO_2 saving potential
Meba SP	MQL spray mist lubricants
FE Fluid	dielectrics for spark erosion

Lubricants for forming operations

Platinol SF	vanishing oils for punching and bending
Platinol B	chlorine and VOC-free forming oils
Platinol B 800	forming oils for automotive manufacturing
Robinol	lubricants for tube processing
Variol CU / ST	lubricants for massive forming
Variol OFP	cold forging oils

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