

**OEMETOL**

**NEAT CUTTING AND GRINDING OILS**





# OEMETOL

## NEAT CUTTING AND GRINDING OILS

### Quality and Performance

- Products are based on high quality base oils and cutting-edge high-performance additives
- Designed for demanding machining operations
- Compatible with a wide range of materials

### Benefits

- Excellent lubricating performance  
→ *minimum tool wear and high cutting speed*
- First-rate washing action  
→ *cleaner parts and machines*
- Free of zinc, heavy metals and chlorine compounds  
→ *less contaminants in the system*
- Low-odour and low evaporation loss  
→ *less consumption*
- Highly compatible with both people and the environment  
→ *increase human compatibility*





## OEMETOL 700 SERIES NEAT CUTTING AND GRINDING OILS

High quality base oils:

- Gas-to-Liquid oils (GTL) 705,710, 710Y, 720, 720Y

Cutting-Edge high-performance additives for fine tuning:

- AW- (Antiwear) additives
- EP- (Extreme Pressure) additives





# OEMETOL

## GAS-TO-LIQUID OILS (GTL)

- Synthetic oil, produced from natural gas, oxygen and water vapour in the GTL process.
- Synthetic oil
- **Non-Cytotoxic**
- Particularly high flash point
- Extreme low evaporation
- High viscosity index
- Very good foam and air release characteristics
- Low density
- Low odour



## GREATER WORKPIECE VISIBILITY WITH OEMETOL

1. Oemetol Oils are clear to create better workpiece visibility
2. Can watch the tool coming in on precise operations specifically rifling or chasing threads
3. Cleaner Machines

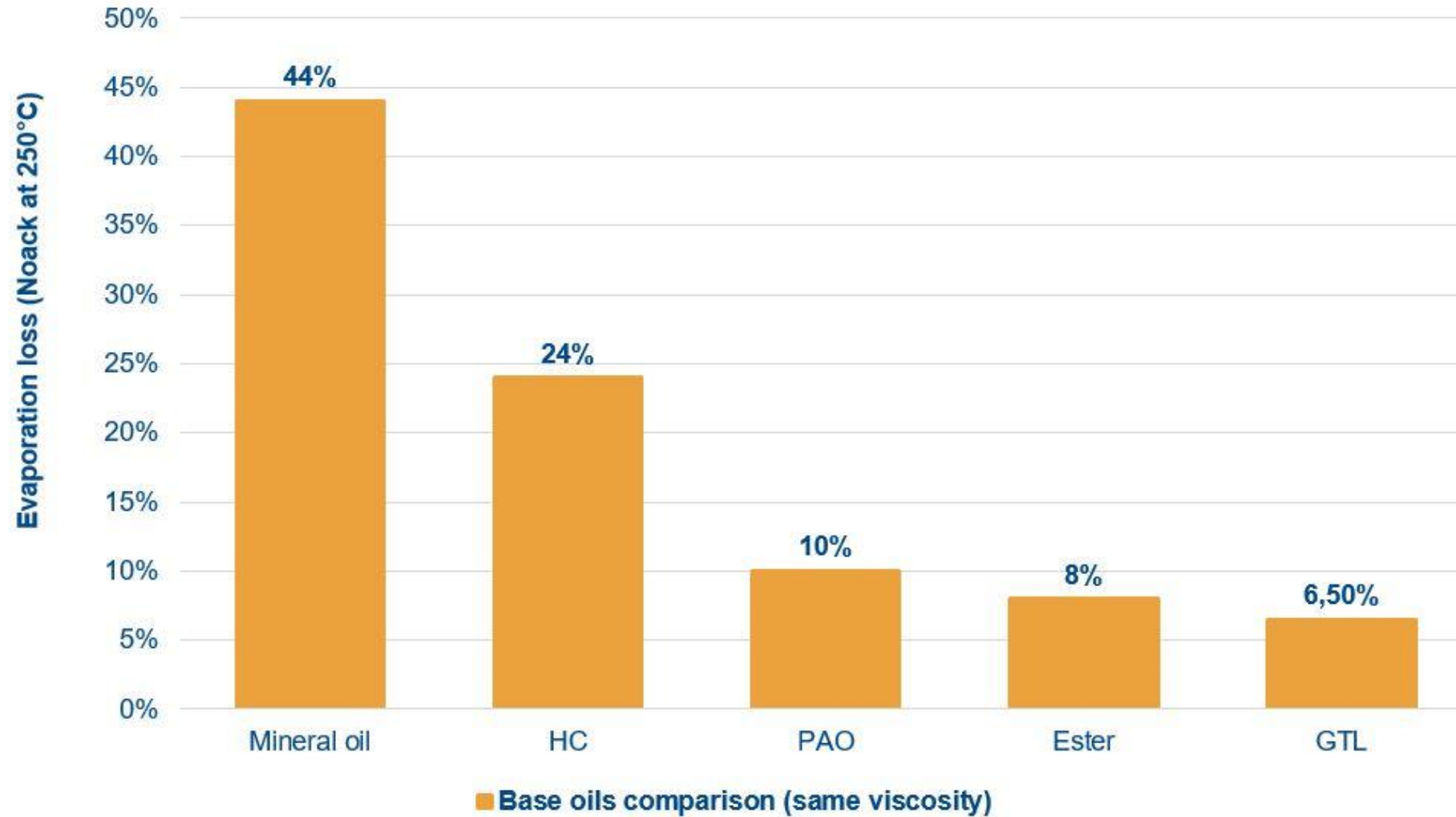






# EVAPORATION LOSS

## DIN 51581

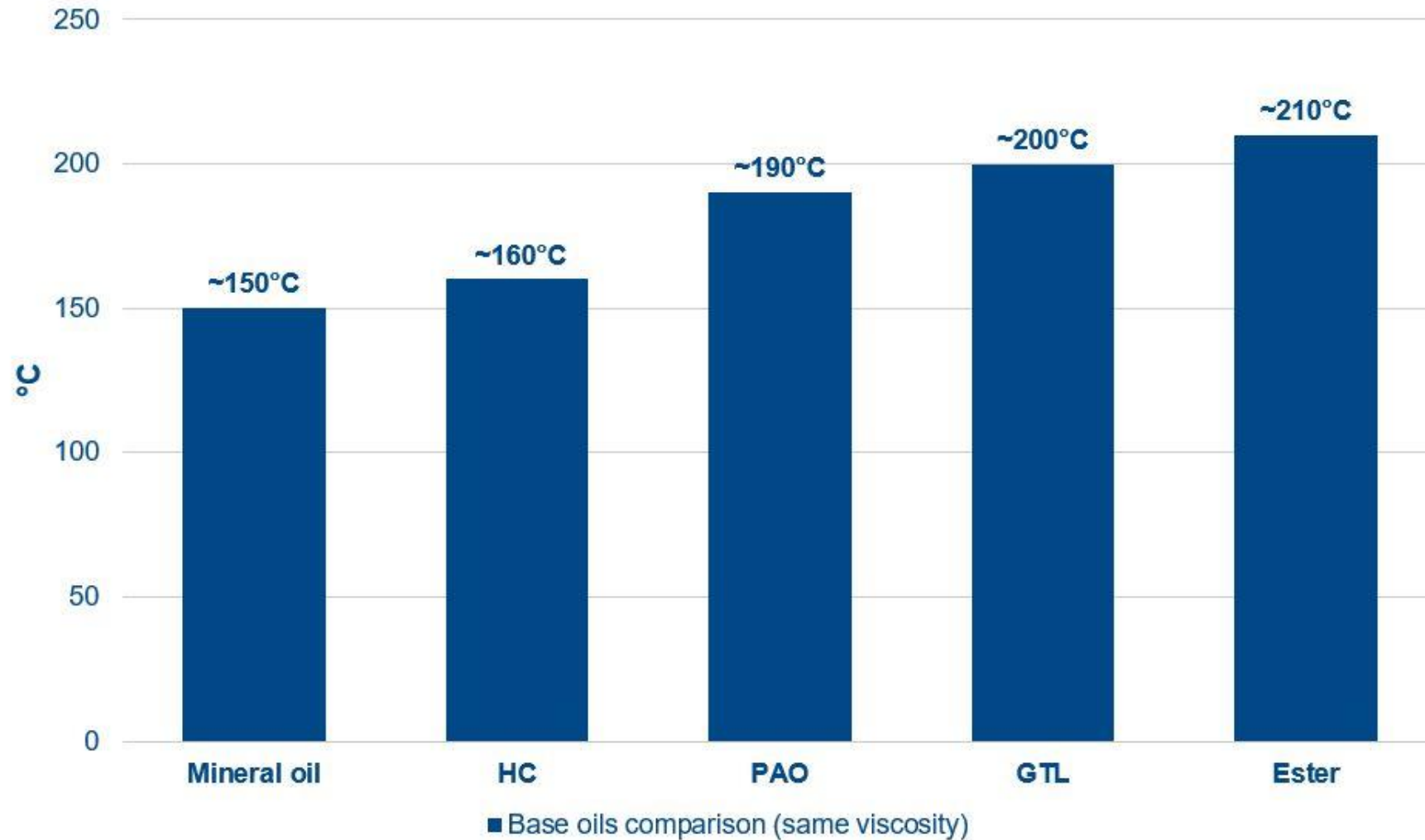


## Reduced Evaporation Cost Savings Rough Numbers

- Mineral Based Hydrocracked Oils equate to 44% evaporation loss of oil
- Oemetol 700 Series equates to 6.5% evaporation loss of oil
  
- Annual Usage of Standard Mineral Based Oil \$12,000 = Loss of \$5280.00
- Annual Usage of Oemetol 700 Series of \$12,000 = Loss of \$780.00

With the evaporation rate reduction alone, cost savings of \$4500.00

# FLASH POINT DIN EN ISO 2592

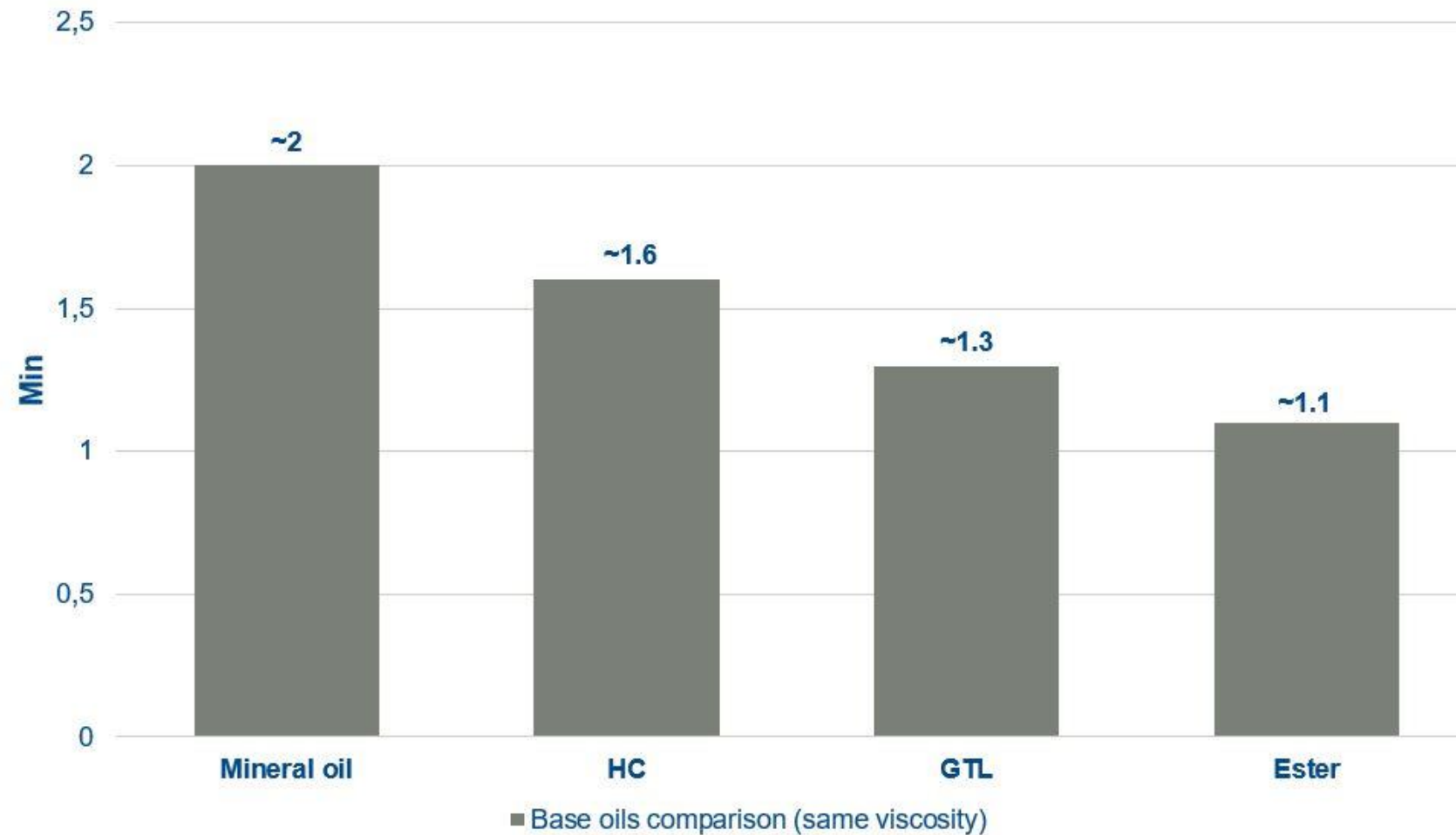


# High Flash Points Increased Worker Safety

- Flash Point of above 400 degrees F
- Quicker Release of Entrapped air during High Pressure Machining Process above 1000PSI through Tool applications that create agitation (Gundrilling)
- Lower Misting then Mineral Hydrocracked oils
- Lower Odors then standard Mineral Hydrocracked Oils
- Designed for High Heat operations and materials (17-4, Ti, High Temp Alloys)

# AIR RELEASE CHARACTERISTICS

## DIN ISO 9120







# PRODUCT GROUPS

## OEMETOL PRODUCT GROUP (GTL OIL)

**Materials – Stainless, Steel, Titanium, High Temp Alloys, Aluminum**  
**All 3 Oils High Pressure 1000PSI capable**

- **705** – 4 CsT – Flash Point 291 F
  - Operations – Honing, Grinding, Finishing Processes, Lapping
- **710** – 11 CsT - Flash Point 399 F
  - Operations – Honing, Grinding, Turning, Milling, Drilling, Gun drilling, Honing
  - Smaller Bar Stock Range Under ¼”
- **720** – 22 CsT – Flash Point 417 F
  - Operations – Turning, Milling, Drilling
  - Bar Stock Range Over ¼”