

NISOTEC KALOL 46E

NISOTEC KALOL 46E is a top-quality hardening oil. Specially formulated to ensure good tempering and elimination of the appearance of cracks and deformations during metal processing by tempering. It provides excellent long-term performance in quenching operations to adjust the hardness and strength of the metal. Excellent economy with a long shelf life due to low volatility and good aging resistance. Enables efficient washing of hardened parts with water.

Applications:

- Hardening process in open and closed systems where subsequent washing of parts with water is required
- Recommended for hardening all types of steel: steel for cementation, steel for ball bearings, Mn-Si steel for springs, unalloyed steel.

| Characteristics | Advantages |
|--------------------------------------|--|
| High flash point | Reduced fire risk |
| Low volatility | Reduced evaporation losses and improved operating conditions |
| Good thermal and oxidation stability | Longer oil life at elevated system temperatures and less downtime due to maintenance needs |

Specification:

- ISO 6743-14 (L-UH)

Typical characteristics

| Characteristics | Method | NISOTEC KALOL 46E |
|---|-------------|-------------------|
| Kinematic viscosity at 40°C, mm ² /s | ISO 3104 | 46 |
| Viscosity index | ISO 2909 | 100 |
| Flash Point (COC), °C | EN ISO 2592 | 220 |
| Pour Point, °C | ISO 3016 | -12 |
| Density at 15°C, kg/m ³ | EN ISO 3675 | 878 |

Health, Safety and Environment

Information on the safe handling, storage and disposal of the product, as well as information on precautionary measures and potential hazards, effects on human health and the environment can be found in the Product Safety Data Sheet (SDS). Store the product in its original packaging protected from atmospheric influences. Shelf life 5 years from the date of manufacture.

Available packaging



205L



1000L