



OPTIMUM
LUBRICANTS LIMITED

ISO 9001:2015 CERTIFIED



PRODUCT DATA SHEET (PDS)

COMET QUENCHING OIL

DESCRIPTION

Comet Quenching Oil is formulated from mineral based base oil and fortified with additives to impact rapid cooling, excellent heat dissipation and good thermal stability. Comet Quenching Oil helps with hardening of steel with minimum distortion and discoloration, while helping improve grain structure and promote long service life. This product is suitable for use where maximum hardness is not required.

APPLICATIONS

- Heat treating applications involving quenching or rapid cooling of carbon and alloy steels.
- Heat treatment processes where a uniform hardening of steel with minimum distortion and coloration is desired.
- Slow quenching operations at bath temperatures between 30 and 65°C where maximum hardness is not required.

FEATURES & BENEFITS

- Low consumption - means reduced drag-out and fast draining, minimizing oil losses during operation. Long oil life - high thermal and oxidation resistance provide maximum oil life.
- Maximizes production throughput - High thermal stability minimizes oil cracking and the formation of deposits on metal surfaces.

HEALTH AND SAFETY

Prolonged and repeated contact with oil may cause skin disorders. In case of skin contact, wash immediately with soap and water. Do not discharge used oils in to drains or the environment. Dispose to an authorized used oil collection point.

NB: Always store on temperatures between -5° C to 40° C



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PHYSICAL PROPERTIES

| ISO VG | Method | units | |
|------------------------------|-------------|-------|-------|
| Kinematic Viscosity @ 40 °C | ASTM D 445 | Cst | 32.2 |
| Kinematic Viscosity @ 100 °C | ASTM D 445 | Cst | 5.52 |
| Viscosity Index | ASTM D 2270 | | 108 |
| Density @ 15 °C | ASTM D 1298 | Kg/l | 0.865 |
| Pour point | ASTM D 97 | °C | -21 |
| Flash point COC | ASTM D92 | °C | 232 |



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