

PRODUCT DESCRIPTION

Oculus Quenching Oil is blended with selected highly refined base oil & fully formulated additive system to support in rapid heat dissipation. The oil has the added advantage of producing steel component with minimal cracking and distortion behaviour. This may result into substantial savings to the heat treatment.

APPLICATIONS

- Recommended where hardening of steel by controlling heat transfer is required.
- Suitable where undesirable thermal and transformational gradients are not required which may lead to increased distortion and cracking.

BENEFITS

- Accelerated cooling rates to produce harder components.
- Constant cooling rates in service ensures constant steel component properties.
- Minimum viscosity increase and lesser sludge formation helps to reduce equipment maintenance requirements and oil losses.
- Reduces acid formation to avoid component staining and to increase the oxidation stability of the oil.
- Minimum steel cracking behaviour increases component design flexibility.
- Low toxicity and non-corrosive characteristics helps in maintaining a safer working environment and ensuring long equipment service life.

APPLICATIONS

- Oculus Quenching Oil is applicable to high-speed spindles, particularly in textile and machine tool industries.
- The oil can also be used effectively in certain hydraulic systems where low viscosity and high viscosity index oils are recommended.
- Oculus Quenching Oil is also suitable for use as an instrument oil.

PRODUCT CHARACTERISTICS*

PROPERTIES	METHOD	TYPICAL RESULTS – VG 22
Kinematic Viscosity @ 40 °C	ASTM D-445	22
Viscosity Index	ASTM D-2270	109
Flash Point (COC), °C	ASTM D-92	198
Pour Point, °C	ASTM D-97	-9

* These typical characteristics mentioned are based on current mean values.



HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from Oculus Lubricant representative.



ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



ADVICE

Advice on application not covered in this leaflet, may be obtained from Oculus Lubricant representative.