



# QUENCHING OIL

PSO 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 behavior. This may result into substantial savings to the heat treatment.

## 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 behavior increases component design flexibility.
- Low toxicity and non-corrosive characteristics helps in maintaining a safer working environment and ensuring long equipment service life.

## 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.

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS
		32
K. Viscosity @ 40°C, cSt	ASTM D-445	31.01
Viscosity Index	ASTM D-2270	100
Flash Point (COC), °C	ASTM D-92	200
Operating Working Temperature, °C	ASTM D-92	100 - 200

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

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)