



# QUENCHING OIL

PSO Quenching Oil, a precisely blended formulation of highly refined base oil and a fully formulated additive system designed to facilitate rapid heat dissipation. This oil boosts the unique advantage of producing steel components with minimal cracking and distortion behavior, leading to potential cost savings in the heat treatment process.

## Benefits

- Accelerates cooling rates, resulting in harder components.
- Maintains constant cooling rates in service, ensuring consistent steel component properties.
- Minimum viscosity increases and reduces sludge formation that lowers equipment maintenance and oil losses.
- Reduces acid formation, preventing component staining and enhancing oil oxidation stability.
- Minimum steel cracking behavior provides greater flexibility in component design.
- Low toxicity and non-corrosive characteristics contribute to a safer working environment and prolonged equipment service life.

## Applications

- Ideal for applications requiring controlled heat transfer for steel hardening.
- Suitable for situations where undesirable thermal and transformational gradients should be avoided to prevent increased distortion and cracking.

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS
ISO VG		32
K. Viscosity @ 40°C, cSt	ASTM D-445	32.2
Viscosity Index	ASTM D-2270	100
Flash Point (COC), °C	ASTM D-92	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)