

Hi-Tech QUENCHING OIL 311

Low Volatility, Medium Quenching Oil

Hi-Tech Quenching oil 311 is recommended for general purpose quenching of components and is particularly suitable for quenching of cyanided parts. It contains a blend of high quality and highly-refined near to nil sulfur base stocks but contain no additive. These oil have inherent oxidation, thermal stability, low volatility, high flash point, and good water-shedding properties. It is designed to use when a more conventional quenching oil is required to ensure uniform metal hardness with minimum deformation while ensuring that components are free from surface staining. They endure the most severe operating conditions with the minimum build-up of sludge and maintain a stable performance throughout their long service life.



Benefits

Efficient hardening characteristics.

Good oxidation stability gives long bath life

High flash point to maximize risk-free operation and minimizes fire hazards and reduces smoke.

Low volatility.

Strong cooling powers at high temp. Combined with exceptional wetting power.

Good anti-foam properties that are needed during operation if high swirling of oil in hardening tanks.

Excellent surface finish after hardening.

Physical Properties

Properties	Test Method	Spec
Colour	D 1500	L 1.5
Viscosity@ cSt @ 40°C	IP 71	31.12 cSt
Specific Gravity	ISO 12185	0.84
Flash Point	ASTM D92	190°C
Fire Point	ASTM D92	238°C

Application

It can be used for normal quenching operations on a wide variety of steel parts such as nuts and bolts, ball bearings etc.