



Rugged Quench Oil

RUGGED Quench Oil is a light viscosity premium quench oil with excellent stability. **RUGGED Quench Oil** facilitates hardening of steel by controlling heat transfer from the steel during the quenching process. Special additives in **RUGGED Quench Oil** improve wetting of the steel to minimize undesirable thermal and transformational changes that may lead to increased distortion and cracking.

RUGGED Quench Oil was developed for quenching that requires a light-viscosity oil, a high flash point and excellent dispersant/detergent properties.

TYPICAL PROPERTIES		
ISO Viscosity		25
Gravity, °API	ASTM D-287	32
Flash Point °F	ASTM D-92	420
Pour Point °F	ASTM D-97	5
Viscosity, SUS		
@ 100 °C	ASTM D-445	4.81
@ 40 °C	ASTM D-445	24.8
Viscosity Index	ASTM D-2270	116
Quench Time (Seconds) Nickel Ball	ASTM D-3520	27.8
Quench Time (Seconds) Chrome-Nickel Ball	ASTM D-3520	28.3
GM Quenchometer (Seconds)		13.2