

QUENCH OIL 70

Product Description

Quench Oil 70 is a premium-quality quenching oil formulated with highly refined paraffinic base oils and a proprietary additive package. It is engineered to deliver:

- A high initial cooling rate for maximum hardness development
- Excellent oxidation stability to resist degradation
- Reduced deposit formation for cleaner operation
- Good heat transfer characteristics to support consistent metallurgical results
- A non-toxic formulation that does not require red-label handling

Applications

Quench Oil 70 is recommended where deep and uniform hardening is required, particularly in:

- Steels with small or varying grain size
- Steels with lean alloy content
- Parts with variable cross-sections or complex shapes
- Steels of variable hardenability

Its ability to adhere to smooth or shiny surfaces makes it well-suited when a bright finish must be retained. With its high viscosity index, the oil minimizes viscosity changes throughout the quenching cycle. Its high flash and fire points reduce fire hazards during operation.

As with all quenching oils, performance may vary depending on steel composition and process conditions. It is recommended that customers conduct individual performance trials prior to full-scale use.

Typical Properties

Property	Test Result
ISO Grade (Approx)	15
Viscosity, cSt @ 40 °C	15.1
Viscosity, cSt @ 100 °C	3.4
Viscosity Index	96
Flash Point, (COC), °F	370
Pour Point, °F	-10
Gravity, API @ 60 °F	32.5
Quenching Time, sec	10-12

*The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All may vary within tolerable ranges.