



LUBRICANTS



Product Data Sheet

Quench Oil 14

Highly refined paraffinic base oil for uniform high-speed quenching

Highly stable quench oil designed especially for use in steel heat treating operations. It has been formulated to provide deep and uniform hardening with minimum distortion and cracking for a smooth surface finish while providing excellent performance over a wide range of metal heat treating applications.

Features and Benefits

- Good surface finish
- High flash point
- Excellent oxidation resistance stability
- Controlled cooling rate to minimize cracking

Applications

- Where high speed is required with a high flash point
- Where excellent thermal and oxidation stability is required

Typical Properties

Grade	Test Method	Quench 14
Product Code		336264
Viscosity, SUS @ 100°F	ASTM D-2161	111.3
Viscosity, cSt @ 40°C	ASTM D-445	21.2
API Gravity @ 60°F	ASTM D-1298	33.0
Flash Point, COC, °F	ASTM D-92	360
Quenchometer, seconds - Nickel Ball*	ASTM D-3520*	14.0

Note: (1) ASTM D-3520 is obsolete. Value shown is for reference only; using nickel ball.

These cooling rates and quench times are typical of current production. While future formulations will conform to Gulf specifications, variation in these typical properties may occur. Used oil values will vary from typical new oil values.

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