

Royal Quenching Oils
Metal Quenching Oils



PRODUCT DESCRIPTION:

Quenching Oils are designed for the quenching of metals. These oils are recommended for use where maximum hardness and high speed quenching of the metal is not important. These oils are recommended when faster, deeper and more uniform hardening is required in steels with wide variations in grain size and alloy content. Because of its excellent oxidation resistance, longer bath life is realized.

KEY FEATURES:

- Conducive to uniform hardening of steel
- Excellent oxidation resistance

CUSTOMER BENEFITS:

- Longer bath life

APPLICATIONS:

Quenching operations

PACKAGING:

Totes and Drums

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Typical Properties

Quenching Oils				
Product Number	585	586	587	Test Method
API	29.97	32.29	33.19	
Specific Gravity	0.87634	0.86389	0.85921	ASTM D4052
Lbs/Gal	7.298	7.194	7.155	
Density	0.87585	0.86341	0.85873	
Flash Point °C	227	197	186	ASTM D92
Pour Point °C	-12	-18	-18	ASTM D97
Color	<3.5	<3.5	<3.5	
Viscosity@100°C cSt	8.2	4.919	3.783	ASTM D445
Viscosity@40°C cSt	65.9	28.62	19.02	ASTM D445
Viscosity Index (VI)	96	92	79	ASTM D2270

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.