



# Gulf Quench

## Normal speed quenching oil

### Product Description

**Gulf Quench** series are normal speed quenching oils developed for heat treatment of ferrous metals in a wide variety of quenching operations. These oils are formulated from highly refined paraffinic oils to provide superior ageing stability. They possess good inherent thermal and oxidation stability offering long service life with minimal deposit formation. Their low volatility characteristics reduce oil loss from vaporisation and the uniform heat dissipation property minimises stress and metal distortion ensuring uniform hardness. These oils are available in two viscosity grades and are recommended for normal speed quenching of ferrous metals such as carbon steel, gray iron and alloy steels.

### Features & Benefits

- Good inherent thermal and oxidation stability minimises deposit formation and viscosity increase
- Superior ageing stability leads to extended service life and reduced downtime
- Lower drag-out losses and reduced clean-up costs minimise operational costs
- Imparts good surface finish
- Uniform heat dissipation property minimises stress and metal distortion
- Low volatility reduces oil loss from vaporisation

### Applications

- Normal speed quenching of ferrous metals such as carbon steel, gray iron and alloy steels

### Specifications, Approvals & Typical Properties

Gulf Quench		22	32	44	65
<b>Typical Properties</b>					
Test Parameters	ASTM Method	Test Values			
Viscosity @ 40 °C, cSt	D 445	21.9	31.8	44.0	64.8
Viscosity Index	D 2270	98	95	97	98
Flash Point, °C	D 92	188	208	218	220
Pour Point, °C	D 97	-21	-18	-18	-18
Density @ 15°C, Kg/l	D 1298	0.861	0.868	0.875	0.882
GM Quench Speed, seconds	D 3520	23.3	24.1	25.5	24.0

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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