



# Gulf Super Quench

## Premium quality high speed quenching oil

### Product Description

**Gulf Super Quench** is premium quality high speed quenching oil specially developed for heat treatment of ferrous metals in a wide variety of quenching operations. It is formulated from highly refined paraffinic oils and performance additives to provide excellent thermo-oxidative stability, enhanced metal wetting ability and low deposit formation tendency. It combines high initial cooling rate to induce maximum hardness with a slow final quenching rate to minimise stress and metal distortion. Its high flash point minimises smoke and fire hazards. It is designed to provide long service life and smooth surface finish. It is recommended for high speed quenching of ferrous metals such as carbon steel, gray iron and alloy steels where maximum hardness is required while controlling distortion.

### Features & Benefits

- Excellent thermal and oxidation stability minimises deposit formation and viscosity increase
- Superior ageing stability leads to extended service life and reduced downtime
- Cooling characteristics not only induce maximum hardness but also ensure uniform microstructure
- Enhanced metal wetting ability minimises stresses and metal distortion
- Imparts good surface finish
- Lower drag-out losses and reduced clean-up costs minimise operational costs
- Low volatility reduces oil loss from vaporisation

### Applications

- High speed quenching of ferrous metals such as carbon steel, gray iron and alloy steels where maximum hardness is required while controlling distortion

### Specifications, Approvals & Typical Properties

Gulf Super Quench		
Typical Properties		
Test Parameters	ASTM Method	Test Values
Viscosity @ 40 °C, cSt	D 445	22.1
Viscosity Index	D 2270	105
Flash Point, °C	D 92	196
Pour Point, °C	D 97	-24
Density @ 15°C, Kg/l	D 1298	0.861
GM Quench Speed, seconds	D 3520	12.3

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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