

# Product Data Sheet

## Zenoli

### Description and Applications

**Saheli Zenoli** series are normal speed quenching oils developed for heat treatment of ferrous metals in a wide variety of quenching operations.

**Saheli Zenoli** is formulated from highly refined paraffinic oils to provide superior ageing stability.

**Saheli Zenoli** possesses good inherent thermal and oxidation stability offering long service life with minimal deposit formation. Its low volatility characteristics reduce oil loss from vaporization and the uniform heat dissipation property minimizes stress and metal distortion ensuring uniform hardness.

**Saheli Zenoli** is available in two viscosity grades and is recommended for normal speed quenching of ferrous metals such as carbon steel, gray iron and alloy steels.

### Features and Benefits

- Good inherent thermal and oxidation stability minimizes 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 minimize operational costs Imparts good surface finish.
- Uniform heat dissipation property minimizes stress and metal distortion.
- Low volatility reduces oil loss from vaporization.

### Applications

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

Test Parameters	Test Method	Typical Results	
<b>Saheli Zenoli</b>		<b>22</b>	<b>30</b>
Density @ 15°C gm/cm <sup>3</sup>	ASTM D1298	0.861	0.869
Viscosity Index	ASTM D2270	98	101
Viscosity @ 40°C (cSt)	ASTM D 445	21.9	30.1
Pour Point °C	ASTM D 97	-21	-18
Flash Point (COC) °C	ASTM D 92	188	206
GM Quench Speed, seconds	ASTM D 3520	23.3	28.4