

# SAVSOL QUENCH Q001

## **DESCRIPTION:**

**SAVSOL QUENCH Q001** is fully formulated High Performance Accelerated Cold Quenching Oil. The performance of SAVSOL Q001 has been developed using the major internationally recognized tests to assess the performance of quenching oils. This ensures that **SAVSOL QUENCH Q001** is a high performance Quenching Oil that needs minimal technical service to support trouble-free performance.

The use of additive has the added advantage of producing quenching oils with minimal steel component cracking and distortion behaviour. This can be translated into substantial savings to the customer.

## **ADVANTAGES:**

**SAVSOL QUENCH Q001** is formulated with special additives offers following benefits:

Properties	Benefits
Accelerated quenching in initial stage.	Deeper and uniform hardening <ul style="list-style-type: none"> <li>➤ In steels with small grain size &amp; wide variation in grain size.</li> <li>➤ In steels with low alloy.</li> <li>➤ In steels of high hardenability.</li> <li>➤ In components of hard shape &amp; variable section.</li> </ul>
Slow cooling in the final stage	Minimum distortion <ul style="list-style-type: none"> <li>➤ In high hardenability steels.</li> <li>➤ In components of hard shape &amp; variable section.</li> </ul>
Constant Cooling Rate	<ul style="list-style-type: none"> <li>➤ Ensures constant steel component properties.</li> </ul>
Minimum Acid and Sludge formation and Viscosity increase	<ul style="list-style-type: none"> <li>➤ Retain bright finish.</li> <li>➤ Long oil bath life.</li> <li>➤ Reduced oil consumption.</li> </ul>
Low Viscosity visa vis conventional quenching oil	<ul style="list-style-type: none"> <li>➤ Reduced oil carryovers.</li> </ul>
Marked Thermal and Oxidation Stability	<ul style="list-style-type: none"> <li>➤ High level of cleanliness.</li> </ul>

# SAVSOL QUENCH Q001

## **TECHNICAL SPECIFICATIONS: SAVSOL QUENCH Q001**

PROPERTIES	ASTM TEST METHOD	SPECIFICATIONS	TYPICAL VALUES
Appearance	Visual	Black Fluid	Black Thin Fluid
Colour ASTM	D1500	8.0D	8.0D
Density @ 29.5°C, gm/cm <sup>3</sup>	D1298	Report	0.8270
Kinematic Viscosity @ 40°C, cSt	D445	17.00 to 19.00	17.77
Viscosity Index	D2270	95 (Min)	116
Total Acid Number, mg KOH / gm of oil	D664	0.2 (Max)	0.07
Flash Point, COC, °C	D92	180 (Min)	190
Moisture/Water content, ppm	D1744 KF	100 (Max)	40
Cooling Curve Analysis	D6200	As per Standard	Matches

*The above details are typical results of normal production and variations in these characteristics may occur. The information contained herein is subject to change without notification. All recommendations and suggestions are without guarantee and the manufacturers do not accept liability for any loss or damage, however arising, which results directly from the use of such information, nor do we offer any warranty.*

## **STORAGE:**

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

## **ENVOIRNMENT, HEALTH & SAFTEY:**

- Do not dispose the used oil to soil, drains and water. Dispose the used oil through authorized collection point
- This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- Avoid contact with skin and eyes. After skin contact, wash with water and soap.

Rev.No.00 dtd 28<sup>th</sup> Aug. 2019