

# MAK MARQUENCH OILS

## Description

MAK MARQUENCH OIL is blended from selected high viscosity index base oils having excellent oxidation and thermal stability. It has very low evaporation loss even at elevated temperatures.

## Application

Suitable for marquenching application at bath temperatures of 150 to 200°C and recommended for mass production of high precision, high quality products such as automotive gears, bearings, tools, dies etc.

## Benefits

- Exceptionally good oxidation & chemical stability
- Excellent Thermal stability
- Non corrosive & non toxic
- Excellent thermal conductivity
- Low volatility minimizes the formation of volatile decomposition products
- Has very low evaporation loss even at elevated temperatures

## PERFORMANCE LEVEL

- IS 4543: 1977 [Reaffirmed Sep 2009]

Our grades meet above specification for the respective viscosity grades

## Technical Specifications

Characteristics	ASTM	Typical Figures	
		220	460
Appearance	--	Light brown clear fluid	Light brown clear fluid
Density at 15° C	D1296	0.8920	0.8966
K.V at 100° C, cSt	D445	15.1	31.7
Viscosity Index	D2270	94	92
Pour Point, °C	D97	-3	-3
Flash Point, (COC), °C	D92	250	290
Copper Strip Corrosion Test at 100°C for 3 hrs.	D130	1b	1b

## Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally at 3'o'clock 9 'o clock position
- Barrels should be kept away from dusty or heated areas as much as possible

## Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

## Advice

All the mentioned values are typical which may vary from batch to batch. For any further advice on applications or otherwise please contact the nearest Bharat Petroleum Territory Office or Technical Services Department at the address given below.

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