



# LUBRICANTS

POWER TO PERFORM

## HP METAQUENCH 43 QUENCHING OILS

### DESCRIPTION

Quenching oil with excellent dispersant properties. The oil is fortified with carefully selected dispersant to provide minimum quench distortion.

### MEETING SPECIFICATIONS

IS: 2664-1980 Additive type.

### APPLICATION AREAS

General purpose quenching oil of all components. Suitable for applications where dirt accumulation on the metal is a bane.

### PHYSICO-CHEMICAL PROPERTIES

Colour ASTM, Max	4
Kinematic Viscosity @ 40°C, cSt	20-33
Flash Point °C, Coc Min	190
Copper Corrosion 3Hrs, @100°C, Max	1
Viscosity Index, Min	90
Pour Point, °C,	0

### PERFORMANCE BENEFITS

- Good thermal conductivity
- Good oxidation stability
- Low volatility
- Minimum quench distortion Extremely low soiling of metals by dirt



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## HP METAQUENCH 44 QUENCHING OILS

### DESCRIPTION

Quenching oil with excellent dispersant properties. The oil is fortified with carefully selected dispersant to provide minimum quench distortion. Cooling rates are markedly faster enabling achievement of higher surface hardness.

### MEETING SPECIFICATIONS

IS: 2664-1980) additive type.

### APPLICATION AREAS

General purpose quenching oil of all components. Suitable for applications where dirt accumulation on the metal is a bane and where higher surface hardness is required.

### PHYSICO-CHEMICAL PROPERTIES

Colour ASTM, Max	4
Kinematic Viscosity @ 40°C, cSt	20-33
Flash Point °C, Coc Min	170
Copper Corrosion 3Hrs, @ 100°C, Max	1
Pour Point, °C, Max	0

### PERFORMANCE BENEFITS

- Good thermal conductivity
- Good oxidation stability
- Low volatility
- Minimum quench distortion
- Extremely low soiling of metals by dirt
- Superior surface hardness of quenched parts



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## HP METAQUENCH 45

### DESCRIPTION

METAQUENCH 45 is the Quenching oil for meeting very fast quenching requirement with excellent dispersant properties. The high quality paraffinic oil is fortified with carefully selected dispersant to provide minimum Quench distortion. The additive system prevents build-up of sludge and dirt.

Metaquench 45 is the Quenching oil for meeting very fast quenching requirement with excellent dispersant properties. The high quality paraffinic oil is fortified with carefully selected dispersant to provide minimum Quench distortion. The additive system prevents build-up of sludge and dirt.

Meeting specifications: IS : 2664-1980 additive type.

### MEETING SPECIFICATIONS

IS: 2664-1980 additive.

### PHYSICO-CHEMICAL PROPERTIES

PROPERTIES	TYPICAL VALUES
Appearance	C
Calcium %	0.0525-0.0650
Cu Strip Corr	1
Kinematic Viscosity @ 40 °C	10.0 - 21.0
Viscosity Index	95