



## AUTOKING QUENCH HS SERIES

GRADES: HS-25, HS-35, HS-45

### DESCRIPTION:

AUTOKING QUENCH HS SERIES Oils are formulated with solvent refined paraffinic base stocks which have high flash points and low volatility characteristics. Also blended with an additive package that provides the rapid quench properties required.

AUTOKING QUENCH HS SERIES OILS are fortified with carefully selected dispersant to provide minimum quench distortion. Cooling rates are markedly faster enabling achievement of higher surface hardness.

### APPLICATION:

- AK QUENCH HS-25 is recommended for general purpose quenching oil of all components excluding cyanided Parts.
- AK QUENCH HS-35 is recommended for carbon and alloy steels where uniform hardness is required and good parts cleanliness and dimensional stability.
- AK QUENCH HS-45 recommended for carbon and alloy steels, including hard quench aluminum killed steels (steel deoxidized with aluminum).

### PERFORMANCE LEVEL:

- IS: 2664-1980 (Re-affirmed in 1987) straight mineral type grade compounded.

### PERFORMANCE

- Excellent Thermal Stability
- Good part cleanliness and dimensional stability.
- Easily washed from quenched parts.
- Rapid and controlled quench rates.

### BENEFITS:

- High Speed Quenching characteristics.
- Promotes deep hardening to parts.
- Long service life due to excellent oxidation stability.
- Due to low volatility, foaming and evaporation is minimum.
- More consistent and controlled quench speeds.
- This Oil prevents build-up of sludge and dirt.

### TYPICAL PROPERTIES:

CHARACTERISTICS	QUENCH HS-25	QUENCH HS-35	QUENCH HS-45
APPEARANCES	CLEAR	CLEAR	CLEAR
DENSITY@ 15°C	0.83 - 0.84	0.84 - 0.85	0.85 - 0.86
KINEMATIC VISCOSITY @ 40°C, CST	22 - 25	35 - 40	45 - 52
VISCOSITY INDEX, MIN.	95	95	95
FLASH POINT °C, MIN.	200	205	205
COPPER STRIP CORROSION	1A	1A	1A

HEALTHY, SAFETY & ENVIRONMENT:- Auto king oil are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standard of industrial and personal hygiene are maintained. For more details contact STERLITE INDIA REPRESENTATIVES.

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