

Hi-Tech QUENCH OIL 43

Low Sludge, High Flash Point Quenching Oil

Hi-Tech Quench Oil 43 is developed for the conventional and accelerated heat treatment of carbon alloy steels. It contains a blend of high quality and highly-refined near to nil sulfur base stocks with specially selected additives that provide inherent oxidation, thermal stability, low volatility, high flash point, and good water-shedding properties. It is designed to use when a more conventional quenching oil is required to ensure uniform metal hardness with minimum deformation while ensuring that components are free from surface staining. They endure the most severe operating conditions with the minimum build-up of sludge and maintain a stable performance throughout their long service life

Benefits

- Efficient hardening characteristics.
- High oxidation stability gives long bath life
- High flash point to maximize risk-free operation and minimizes fire hazards and reduces smoke.
- Low volatility.
- Strong cooling powers at high temp. Combined with exceptional wetting power.
- Excellent anti-foam properties that are needed during operation if high swirling of oil in hardening tanks.
- Excellent surface finish after hardening.



Application

Hi-tech Quench Oil 43 is an additive type of quenching oil recommended for applications requiring a medium to high-speed quench oil. It's high resistance to oxidation ensures uniform hardening with minimum discoloration, improved grain structure, and long bath life. When combined with agitation, Hi-tech Quench Oil 43 offers a good cooling rate covering a wide range of steel quenching operations and quenching components including steels from low alloy steels to high alloy tools and die steels.

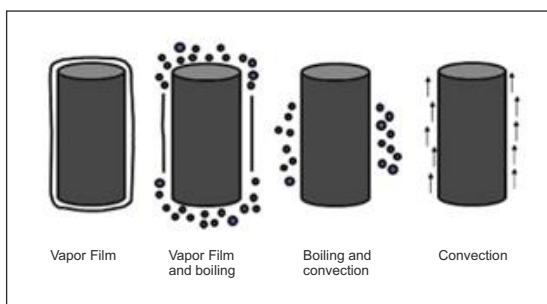
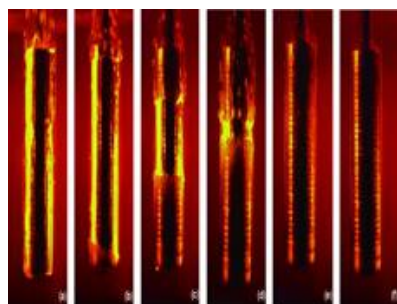
It is recommended for use in open quenching tanks and meets the requirement of BIS 2664 - 180 (RA 2004)

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Point Quenching Oil

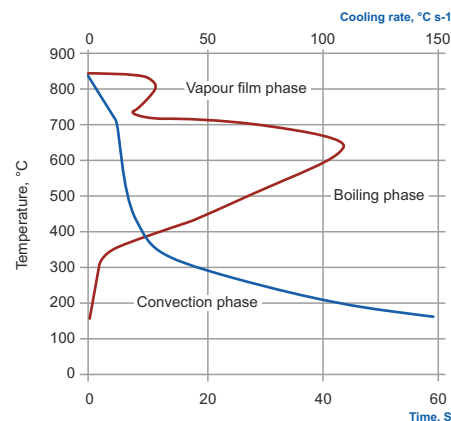
No harmful additives added

Hi-Tech Quench Oil 43 Products do not contain Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr6), Polybrominated biphenyls (PBB), or Polybrominated di-phenylether complying with the re-restricted substances listed in Article 4(1) of the RoHS Directive.



Our Suggestion to stop deterioration & Extend oil life

1. Maintain Quench oil level in the tank.
2. Avoid mixing with air
3. Control Contamination of foreign substances like salt, Hydraulic oil, sludge, carbon, etc.
4. Proper agitation of oil will help in maintaining even temperature of tank and give better hardness
5. Avoid contamination with water
6. Control tank temperature with cooling system



Physical Properties

Properties	Test Method	Spec
Colour	D 1500	L 1.5
Viscosity@ cSt @ 40°C	IP 71	29
Specific Gravity	ISO 12185	0.84
Flash Point	ASTM D92	223°C
Magnetic Quenchometer Test Nickle ball sec	D3520	13.5
Fire Point	D92	238°C

