

Eastto Synquench Fluids

INTRODUCTION : EASTTO SYNQUENCH fluids are a water soluble polymer quenchant for use in Induction and Flame hardening applications. It is a PAG based product and mixes easily with water to produce a quenchant which is instantly ready for use. The cooling rate of EASTTO SYNQUENCH can be varied by changing the concentration of the solution. It contains corrosion inhibitor to protect the parts from the corrosion

APPLICATION : EASTTO SYNQUENCH fluids can be used for

- The heat treatment of carbon and alloy steels by flame, induction and submerged induction heating
- Non-ferrous metals such as titanium alloys, bronzes
- For quenching of Crankshafts, Half shafts and Starter ring gears
- Sensitive shapes or intricate geometry and alloys of different metallurgy

PERFORMANCE LEVEL : EASTTO SYNQUENCH fluids provide excellent performance when maintaining concentrations. The major make up requirement is water for the loss by evaporation.

PERFORMANCE STANDARDS : EASTTO SYN GR FLUIDS 2, 5 & 12 meet IS: 11186 -1985 reaffirmed March, 2002 standards

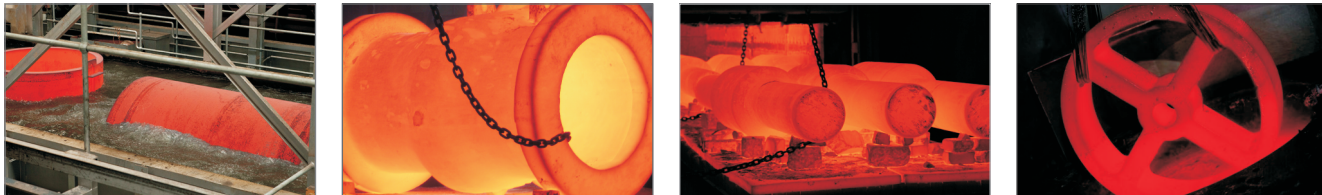
BENEFITS :

- Eliminates the smoke, soot and residues common to oil quenchants
- Equipment maintenance and plant cleanliness are easier to achieve and maintain
- Resistant to bacterial growth
- Controlled hardness
- Uniform surface finish and minimum distortion
- Flexibility of quenching speed

TYPICAL PROPERTIES

| CHARACTERISTICS | EASTTO SYNQUENCH 330 | EASTTO SYNQUENCH 440 |
|----------------------------------|----------------------|----------------------|
| Density at 30 °Cr | 1.05 | 1.10 |
| Kinematic Viscosity at 40°C, cst | 330 | 440 |
| pH(Neat) | 9.0 | 9.0 |
| Solubility in water | Soluble | Soluble |

PACKING: 210 Litres Drums



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