



Product Data

Castrol Iloquench No.1™

General Purpose Cold Quenching Oil

Description

Castrol Iloquench No.1 is a high quality oil developed for general purpose metal quenching operations. This oil is formulated from specially selected, highly refined, thermally stable, high viscosity index base, stocks, having good oxidation stability, good fluidity and low volatility.

Application

Castrol Iloquench No. 1 is recommended for all normal quenching operations on wide variety of steel to impart the desired hardness to the components without metallurgical distortion. This product is normally used for hardening nuts, bolts and ball bearings.

Advantages

Castrol Iloquench No.1 offers:

- ◆ Uniform hardness without metallurgical distortion
- ◆ Long service life
- ◆ Excellent oxidation stability
- ◆ Good quenching characteristics

Characteristics

| Characteristics | Typical Value |
|---|--------------------|
| Appearance | Light Brown Liquid |
| Colour (ASTM D 1500) Max. | 2.0 |
| Kinematic Viscosity, CSt @ 40deg C | 30 |
| CSt @ 100deg C | 5.0 |
| Flash Point, (COC) deg C typ. | 190 |
| Viscosity Index, Min | 95 |
| Pour Point, deg C typ. | -9 |
| Ash % wt. | 0.05 Max |
| Acidity | 0.05 Max |
| Copper Corrosion 3hrs. @ 100deg C Max | 1a |
| Loss on heating 2 hrs. @ 150deg C Max | 1 % |
| Quenching time by magnetic quench meter (ASTM D 3520) | 24.0 " |

The above data is typical and does not constitute a specification.

Castrol Iloquench No.1
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