



## Castrol Iloquench 2CX

High Temperature, Medium Speed Quenching Oil

### Description

Castrol Iloquench™ 2 CX is based on a high viscosity highly refined paraffinic oil, selected for its thermal stability properties.

Classification: AFNOR NFT 60-512 - UHF.

### Application

Iloquench 2 CX has been designed for use in multi stage quenching operations to obtain martensitic structures with alloyed steels as well as carburized or carbonitrided parts. Iloquench 2 CX is also suitable for quenching of hard carbon steel strip and quenching of sensitive materials and parts to avoid deformation and quenching cracks. Iloquench 2 CX can be used in any Furnace type: Conveyor, built-in vat furnaces and open vats.

Homologation PSA: T846360041 - TREMPE ETAGEE martensitique

### Conditions of Use

Temperature of use open to Atmosphere: 50 - 80 °C

Temperature of use under neutral atmosphere: 50 - 180 °C

### Advantages

- Low viscosity @ temperature range of use reduces consumption
- Good oxidation resistance ensures long bath life
- Very good stability guarantees reliable performance and consistent treatment quality
- Improved parts quality and cleanliness reduces re-work

## Typical Characteristics

	Unit	Test Method	Value
Appearance	–	Visual	Limpid yellow liq
Density @ 15°C	kg/m <sup>3</sup>	NFT 60-172	8
Viscosity @ 40°C	mm <sup>2</sup> /s	NFT 60-100	1
Viscosity @ 100°C	mm <sup>2</sup> /s	NFT 60-100	
Flash Point	°C	NFT 60-118	> 2
Auto-ignition temperature	°C	NFT 60-118	> 2
Water content	ppm	NFT 60-154	< 5
Acid number	mg KOH/g	NFT 60-112	< 1
Drasticity @ 50 °C:			
Transition temperature – Theta 1 (Vaporization-Boiling)	°C	-	610 - 6
Transition temperature – Theta 2 (Boiling-Convection)	°C	-	445 - 4
Castrol Index @ 150 °C		NFT 60-178	11,5 – 1:

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