

## Description

Natural paraffin mineral oil with low viscosity, formulated with highly refined based oils and selected additives that increase the hardening speed and provide the properties required to overcome the difficult conditions needed in cold, high-speed steel hardening (bath temperature is between 40 and 80°C). This kind of oil is formulated to achieve non-alloy steel parts with maximum hardness and minimum deformations and breaks.

## Properties

- Contains additives to achieve good resistance to oxidation and sludge formation, thus prolonging its useful life.
- Provides a very short steam phase during hardening operations thus speeding transfer to the boiling stage and the quick cooling of the metal.
- Very good thermal stability and low volatility, which reduces smoke and the risk of fire.
- Good foam resistance.
- Uniform and lasting hardening capacity.
- Clean, tempered parts are achieved.

## Technical specifications

	UNIT	METHOD	VALUE
Appearance			Glossy and transparent
Colour		ASTM D 1500	< 4
Density at 15 °C	g/mL	ASTM D 4052	0.875
Viscosity at 40 °C	cSt	ASTM D 445	32
Viscosity at 100 °C	cSt	ASTM D 445	5.5
Viscosity index		ASTM D 2270	95
Flash point O/C	°C	ASTM D 92	200
Aniline point	°C	ASTM D 611	95
Neutralisation index	mg KOH/g		0.2
Noack volatility, 1 hr at 150 °C		DIN 51581	0.85

A safety data sheet is available on request.

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