

## THERMISOL QB

### Quenching oil

#### Description

THERMISOL QB oils are bright mineral based quenching oils blended to meet ISO viscosity grades from 22 to 100 inclusive.

THERMISOL QB oils are resistant to salt bath contamination and can therefore be used without problems in combination with salt-bath hardening. The high stability of THERMISOL QB oils can maintain bright surfaces on treated components.

#### Features

- Display good resistance to ageing and guarantee long life.
- Do not evaporate excessively and are thus highly economical. In order to keep drag-out losses

to a minimum, the quenching oil should be allowed to drain off the components after treatment.

- Are not affected by dragged-in heat treatment salts and are absolutely neutral.
- Generate a mild odour even when exposed to high temperature.

#### Application

THERMISOL QB oils can be used in both continuous and open quenching lines. Excellent, deep hardening is achieved even on quite small components such as clock springs. Dragged-in dirt and contamination separate-out easily so that the bright quenching properties are retained for the longest possible time. The relatively mild quenching speed offered by the product results in good hardness with a minimum distortion or cracking.

### CHARACTERISTICS

Properties	Unit	Value					Test Method
		QB 22	QB 32	QB 46	QB 68	QB 100	
THERMISOL							
ISO Viscosity Grade		22	32	46	68	100	DIN 51 519
Viscosity@ 40 °C	mm <sup>2</sup> /s	21	33	45	67	100	ASTM D-445
@ 100 °C	mm <sup>2</sup> /s	4.1	5.4	6.6	8.8	11.15	ASTM D-445
Viscosity Index		102	96	95	103	96	ASTM D-2270
Density @ 35 °C	kg/m <sup>3</sup>	868	876	879	884	887	ASTM D-1298
Flash Point	°C	220	210	238	248	250	ASTM D-92
Pour Point	°C	- 9	- 9	- 6	-6	- 6	ASTM D-97