



Quendila

Cold Quenching Oil

Description; Description

Quendila 19 is a paraffinic additive-free mineral oil for general use in cold quenching applications. The solvent refined oil is highly resistant to oxidation and therefore

offers a long service life with the minimum deterioration of properties during service.

Applications; Applications

Quendila 19 is particularly suitable for the quenching of small components because its low viscosity enables the surfaces of small, intricate profiles to be wetted. Its low viscosity also reduces drag out losses to a minimum.

with the minimum distortion can be relatively straight forward.

Quendila 19 is also compatible with components heated in salt baths.

In general, non-additive type oils are used for components of fairly high carbon content, such as hand tools and springs. Modifying the metallurgical properties

The operating temperature range of Quendila 19 is 30°C to 80°C.

Main Benefits; Main Benefits

- Wide range of applications
- Inherently resistant to oxidation and thermal degradation leading to a longer service life
- Consistent quenching performance and metallurgical standards of output

- Low viscosity ensures minimum drag out losses
- Compatible with all methods of component heating, including salt bath heating
- Non corrosive to components and equipment

Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration
; All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration

of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health, Safety and Environment; Health, Safety and Environment

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Typical Characteristics; Typical Characteristics

	Test Methods; Test Methods	Units; Units	Grade ;; Grade :
Appearance			19 clear
Colour	ISO 2049		amber
Density at 15°C	ISO 3675, ASTM D1298	kg/m3	876
Viscosity KV @ 40°C	ISO 3104,	mm2/s	19.1
100°C	ASTM D445		3.9
Flash Point (COC)	ISO 2592, ASTM D92	°C	226
Flash Point (PMC)	ISO 2719, ASTM D93	°C	195
Pour Point	ISO 3016, ASTM D57	°C	-12
Total Acid Number	ASTM D664	mgKOH/g	0.01

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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