Ordinary quenching oil

Performance Overview

Maxtop ordinary quenching oil is developed from deeply refined medium-low viscosity high flash point distillate oil, adding various additives such as refrigerants, antioxidants, carbon deposition inhibitors, etc.

Features

01

It has good cooling performance, ensuring that the workpiece reaches sufficient hardness and thermal oxidation stability, and can meet the comprehensive quality requirements of quenched workpieces. It has good thermal oxidation stability and a long service life of the oil. It has good rust resistance.

02

Longer cooling characteristics retention, the performance of Maxtop ordinary quenching oil is significantly better than the comprehensive performance of other similar products on the market. Super long service life.

03

Long-term use will not produce sediment and sludge. Long-term use will keep the viscosity stable and will not thicken.

Application Scenario

It is suitable as a cooling medium for quenching processes such as steel (especially alloy steel) and other alloy materials. Ordinary quenching oil is used for quenching materials of small size and good hardenability.

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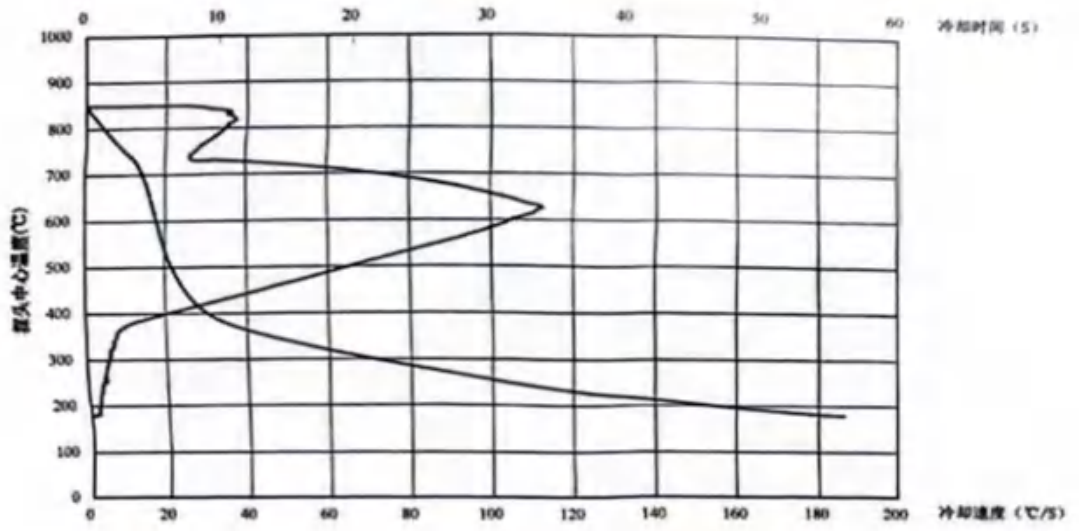
Performance index of ordinary quenching oil

Project			Quality indicators
Kinematic viscosity, mm2/s	40℃	not more than	30
	100℃	not more than	-
Flash point (open), ℃ not less than			180
Flash point, ℃ not less than			200
Moisture, % not more than			trace
Pour point, ℃ not higher than			-9
Corrosion (copper sheet, 100℃, 3h) level is not greater than			1
Brightness, level not greater than			3
Saturated vapor pressure (20℃), kPa not higher than			-
Thermal oxidation stability	Viscosity not more than		1.5
	Residual carbon increase, % not more than		1.5
cold but sex able	Characteristic temperature (at 80℃), ℃ not less than		520
	800 to 400℃ time (at 80℃), s not more than		5.0
	800 to 300℃ time (at 80℃), s not more than		-
	Characteristic temperature (at 120℃), ℃ not less than		-

Cooling characteristic curve of ordinary quenching medium



Cooling characteristics data of common quenching medium

Medium temperature	Max Cooling rate	Maximum cooling rate Corresponding temperature	300 ℃ Cooling rate	850℃ to below temperature time			Peculiarity temperature	Peculiarity time
				600℃	400℃	200℃		
60	110.66	610.37	6.37	5.80	9.50	42.50	727.82	5.10

Note: The unit of time is S, the unit of speed is C /S, and the unit of temperature is C

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