

DINARA OIL®

Vaš kod za ulja i maziva

TECHNICAL INFORMATIONS ABOUT THE PRODUCT INDUSTRIAL OILS – OILS FOR METAL QUENCHING

QUENCHOL OILS

QUENCHOL OILS are a mineral quenching oils modified for a specific metal heat treatment conditions. The result of using these oils is a uniform cooling of the toughened product without deformation of the mold while improving the structure of a metal.

They are manufactured in viscosity grades: ISO VG 22, VG 32, VG 68 VG 100, VG 220.

Advantages:

- high oxidation and thermal stability;
- high ignition point and low volatility in the absence of coke.

QUALITY LEVEL: SRPS 6743-14, ISO-L-U

PHYSICAL - CHEMICAL CHARACTERISTICS

Characteristics	Units	Typical values					Test methods
		VG 22	VG 32	VG 68	VG 100	VG 220	
Kinetic viscosity at 40 °C	mm ² /s	22	32	68	100	220	SRPS ISO 3104
Viscosity index	-	100	100	95	95	90	SRPS ISO 2909
Point of ignition, COC	°C	190	210	220	220	230	SRPS ISO 2592
Pour point	°C	-20	-20	-20	-18	-15	SRPS ISO 3016
Acid number, max	mgKOH/g	0,15					SRPS ISO 6618
Coke content, max	%	0,15					ASTM D 189

PURPOSE

QUENCHOL OILS are used for hardening low alloy steels, Mn-Si spring steels, roller bearing steels, cementation steels, tool and structural parts of unalloyed, low alloyed and high alloyed steels. Optimal results for KALIOL 22 are achieved with cooling temperatures of 30-50 °C. Optimal results for KALIOL 32 are achieved with cooling temperatures of 40-70 °C. Optimal results for KALIOL 68 are achieved with cooling temperatures of 50-100 °C. For application in systems with indirect cooling, approximately 7L of QUENCHOL OIL 32 is used to hard 1KG of steel.

STORAGE

QUENCHOL OILS - should be stored in their original packaging protected from the direct influence of the atmosphere.

PACKAGING:

1 L	5 L	10 L	20 L	200 L	1000 L
				x	x