Metalworking Oil

MAKER IBERCUT 20 A PLUS

Description

Pure cutting lubricating oil with high fluidity, formulated from Group III hydrocracked synthetic bases that provide high thermal stability, lower volatility and greater resistance to oxidation compared to mineral oils used for the same application.
Extreme pressure additive package specially developed for severe operations of cutting and machining of hard steels. It also has a good lubricity and film resistance, required in operations of high difficulty. It avoids phenomena of welding of chips and seizure of the tools, and maintaining at the same time a great cooling capacity.
It is especially suitable for operations such as tapping, threading or broaching of stainless steel of high hardness. Also, for gear cutting, milling and operations of high mechanical difficulty.

Properties

Recommended for hard steels.
Excellent thermal stability, with low volatility and high resistance to oxidation.
High flash point that allows its use without risks.
Additives that help reducing the appearance of mists.
Excellent antifoam qualities.
Non-chlorinated product.
To avoid the appearance of smoke, it is advisable to project an abundant and well-directed jet at the work area.

Quality levels, approvals and recommendations

• ISO 6743/7-L-MHE

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Technical specifications

	UNIT	METHOD	VALUE
Colour	-	Visual	1.5
Appearance	-	Visual	Clear and bright
Density at 15 ºC	g/cm3	ASTM D4052	0.841
Kinematic viscosity at 40 ºC	cSt	ASTM D445	22,0
Kinematic viscosity at 100 ºC	cSt	ASTM D445	4,7
Viscosity index	-	ASTM D2270	135
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1a
EP properties SRV test, wear	mm	ASTM D6425	0,663
Flash point, open cup	ºC	ASTM D92	228
Foams: Sec I, II, III formation		ASTM D892	20/20/0
Foams: Sec I, II, III, stability		ASTM D892	0/0/0
Noack volatility, 1h at 250 °C	% in weight	CEC L-40-93	11.9
Pour point	ºC	ASTM D97	-27

The above mentioned characteristics are typical values and should not be considered product specifications.