

METALWORKING FLUID BC SERIES EXTREME PRESSURE MACHINE FLUID

Typical Properties

	BC-LIGHT	BC-HEAVY DUTY	BC-GP
Appearance/ASTM Color	Bright/L 0.5	Bright/L 1.0	Bright/1.5
Viscosity, cSt			
At 40 C	24.5	53.0	34.0
At 100 F	4.75	7.8	6.0
Sulfur	Present	Present	Present
Chlorine	NONE	NONE	NONE
Synthetic EP	Present	Present	Present
Anti-Misting Agent	Present	Present	Present
Flash Point, (COC) Deg F(C)	395(202)	400(204)	395(202)
Specific Gravity, 60/60F	0.8816	0.8844	0.8855
Gravity, API @ 60 F	29.0	28.5	28.3
Density, lbs/gal	7.341	7.364	7.373

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

The BC Metalworking Series are formulated for a wide variety of cutting operations such as broaching, tapping, and grinding/honing. They are chlorine-free and contain synthetic anti-weld/EP agents that reduce sulfur and fatty oil components in conventional cutting oils. The product is light colored for increased tool and piece visibility, and low in odor. The fluids have excellent thermal, oxidative and hydrolytic stability. Metalworking Fluid BC provides corrosion/rust protection to both working part and machine.

BC-LIGHT

A product for light duty machining steels and non-ferrous metals. The fluid has non staining characteristics that reduce "burning" of finished parts.

BC-HEAVY DUTY

Formulated for heavy duty machining operations with alloy steels, stainless steels, and die steels with good piece finish characteristics.

BC-GP (General Purpose)

A product for general purpose cutting for medium to heavy-duty machining. The formulated material contains chemistry similar to BC-Light/Heavy Duty with an additional low temperature ashless EP system for increased anti-weld and reduced friction.