

J-Cut NCL-20

Heavy duty chlorine-free cutting oil

Description

J-Cut NCL-20 is a heavy duty cutting oil developed to machine difficult metals without the need for chlorinated additives. The extreme pressure lubricants are balanced to provide ease of cut with minimal tool wear. An effective anti-mist additive is incorporated into the **J-Cut NCL-20** to reduce misting of the cutting oil during high speed machining operations.

Performance Benefits

- High flash point, good oxidation stability and high viscosity index
- Low viscosity is suitable for high pressure applications
- Anti-wear properties

Recommended Applications

	Cast Iron	Low-medium alloy steel	High alloyed steel/nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Honing/Superfinishing	-	-	-	-	-	-
Grinding	X	X	X	X	-	-
Drilling	X	X	X	X	-	-
Broaching/Gear manufacturing	X	X	X	X	-	-
General machining	X	X	X	X	-	-

Characteristics

Properties	Unit	Test Method	Value
Appearance	-	Visual	Light amber liquid
Density @ 15°C	Lbs/gal	-	7.5
Viscosity @ 40°C	cSt	ASTM D446	33
Viscosity @ 100°F	SUS	ASTM D446	155
Flash Point	°F	ASTM D92	>350°F
Copper corrosion	3 hr at 100°C	ASTM D130	4c

	Ester	Active Sulfur	Inactive Sulfur	Phosphorous	Calcium	Chlorine	Zinc
Additives	X	X	X	X	-	-	-