

J-Cut NCL-9

Cutting and grinding oil

Description

J-Cut NCL 9 is a transparent, low viscosity mineral oil containing boundary lubricants and free sulfur to impart extreme pressure properties. It is designed primarily for deep hole drilling, boring and trepanning where pressurized coolant systems are used. **J-Cut NCL 9** is also suitable for high-speed hobbing and gear shaving techniques.

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	-	-
Drilling	-	X	X	X	-	-
Broaching/Gear manufacturing	-	X	-	-	-	-
General machining	-	X	X	X	-	-

Characteristics

Properties	Unit	Test Method	Value
Appearance	-	Visual	Light amber liquid
Density @ 15°C	Lbs/gal	-	7.6
Viscosity @ 40°C	cSt	ASTM D446	25
Viscosity @ 100°F	SUS	ASTM D446	120
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	X	-	-