



Performance Biolubes NuCut Plus

Bio-based Cutting Oil

Description

Castrol Performance Biolubes NuCut Plus is a multi-purpose high performance cutting fluid. Formulated with plant based oils and select additives, it provides lubricity not typically found in conventional mineral based cutting oils. Its natural viscosity index allows this product to maintain viscosity in high temperature operations without the need for additives.

Application

- General purpose cutting and grinding
- Milling, tapping, and reaming
- Gear cutting, broaching, gun drilling and screw machining
- Sharpening high-speed steel and carbide cutting tools

Advantages

- Improves surface finishes in machining and grinding operations
- Superior lubricity maximizes feed rates and improves productivity
- Reduces chip welding so tools maintain a free cutting surface
- Cooler operating temperatures and minimal smoke allow for higher operating speeds
- Minimal mist generation
- Safe for all metals
- Improves centricity, accuracy and part run-out
- Improves part quality by reducing tool or wheel pressure
- Does not contain chlorine
- High flash and fire points
- Can be used as a multi-purpose product for cutting and lubrication of the machine

Typical Characteristics

Name	Method	Units	NuCut Plus
Appearance	Visual	-	Light Yellow Liquid
Viscosity, Kinematic @ 40°C	ASTM D 445	mm ² /s	40
Viscosity, Kinematic @ 100°F	ASTM D 445	SUS	190
Flash Point, COC	ASTM D 92	°C / °F	282 / 540
4-Ball Wear	ASTM D 4172	mm	0.44
Volatile Organic Compunds	CN-TM-122	g/L	4

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