



Performance Biolubes NuCut Ultra Lite

Low Viscosity Cutting Oil

Description

Castrol Performance Biolubes NuCut Ultra Lite is a light viscosity high performance cutting oil. Formulated with a blend of synthetic and plant-based oils and select additives; this oil provides lubricity not typically found in conventional mineral-based cutting oils.

Application

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

Advantages

- Improves surface finish 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 and less smoke allow higher operating speeds
- Drastically reduced 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

Typical Characteristics

Name	Method	Units	NuCut Ultra Lite
Appearance	Supplier	-	Light Yellow Liquid
Viscosity, Kinematic @ 40°C	ASTM D 445	mm ² /s	16
Viscosity, Kinematic @ 100°F	ASTM D 445	SUS	88
Flash Point, COC	ASTM D 92	°C / °F	173 / 343
4 Ball Wear Scar	ASTM D 4172	mm	0.45
Volatile Organic Compounds	ASTM E 1868	g/L	43

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