



Koolkut[®] Spectrum

Koolkut Spectrum is a general-purpose cutting oil developed for medium- to heavy-duty machining of cast iron, stainless steel, high-speed steel and other alloys. It is specially formulated with high-quality base oils and fortified with sulfur-containing extreme-pressure additives that provide good antiweld properties and reduced friction at the chip-tool interface, resulting in extended tool life and good surface finishes on the machined parts.

Koolkut Spectrum can cause staining of non-ferrous metals such as copper and copper alloys, and is not recommended for machining non-ferrous metals if staining is objectionable.

Applications

Koolkut Spectrum is recommended for medium- to heavy-duty machining of cast iron, stainless steel and high-speed steel alloys. Typical applications include:

- Boring
- Broaching
- Drilling
- Milling
- Tapping
- Threading

Features/Benefits

- Excellent performance in most difficult machining operations
- Good antiweld properties
- Helps extend cutting tool life
- Good surface finish
- Transparent for good visibility of the machining operation

**General-Purpose
Cutting Oil**

Contact Information

**U.S. Customer
Service:**
1-800-822-6457

**U.S. Technical
Services Hot Line:**
1-800-766-0050

International:
+1-832-486-3363

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Koolkut® Spectrum

Typical Properties

ISO Grade	32
Density, g/cm ³ @ 15.6°C (60°F)	0.885
Density, lbs/gal @ 15.6°C (60°F)	7.37
Color, ASTM D1500	1.5
Flash Point (COC), °C (°F)	216 (421)
Pour Point, °C (°F)	-20 (-4)
Viscosity,	
cSt @ 40°C	32.0
cSt @ 100°C	5.4
SUS @ 100°F	165
SUS @ 210°F	44
Viscosity Index	103
Copper Corrosion, ASTM D130	1b
Chlorine, wt %	1.18
Sulfur, Total, wt %	1.08
Sulfur, Active, wt %	0.7
Fatty Oil, wt %	Nil

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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