

## ECOCUT HSG 2005S

### Fully Synthetic Neat Cutting Oil for High Performance Grinding

#### Description

**Ecocut HSG 2005 S** is a fully synthetic neat oil formulated specifically for high speed grinding operations, and meets the very severe performance requirements of WALTER high speed grinding machines. The optimised heat transfer properties permit higher feeds and cutting speeds.

#### Benefits

- Outstanding anti-mist properties.
- Chlorine-free EP properties.
- Excellent surface finishes especially for fine grinding operations.
- Good detergent and dispersing qualities.
- Enhanced tool life.
- Good cooling and lubrication
- Excellent corrosion protection.

- Long service life due to its excellent heat resistance and oxidation stability
- Minimum foaming under high pump pressures

#### Application

- For all high performance high speed grinding operations particularly on WALTER grinding machines. Also highly suitable for use with other high speed grinding machines from MAZAK, MAKINO and Mungger Machine Tool.
- Suitable for operating conditions of over 5000 rpm and cutting oil pump pressures from 20 to 60 bar.
- Recommended for machining steel and nonferrous metals, including carbide.
- Can be used on all belt type filter systems for machine tools.
- Use as supplied.

#### Typical Characteristics

Properties	Unit	Value	Test Method
Colour		<0.5	ASTM D 1500
Appearance		B&C	Visual
Specific Gravity at 60/60 °F		0.807	ASTM D 1298
Flash Point COC	°C	160	ASTM D 92
Viscosity @ 40°C	cSt	5.5	ASTM D 445
Copper Corrosion / 24h @ 100°C		1a	ASTM D 130

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