



Almaredge 230

High performance soluble metalworking fluid

Description

Castrol Almaredge™ 230 is a high performance, chlorine-free soluble metalworking fluid. It contains an additive package that provides good corrosion protection to machines and components. It also provides excellent emulsion stability as long life coolant which helps to lower the overall operational costs .

Almaredge 230 is suitable for large central systems and single sump machines.

Application

Almaredge 230 is especially designed for machining and grinding on low-medium alloyed steel and cast iron. Almaredge 230 can also be used on aluminum alloy machining.

üü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding	ü ü	ü ü	ü ü	ü		
Milling, Turning (general machining)	ü ü	ü ü	ü	ü ü		
Drilling	ü ü	ü ü		ü ü		
Reaming, Tapping	ü ü	ü		ü		
Broaching	ü ü	ü		ü		

Advantages

- Chlorine and nitrite free which may help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Good anti-corrosion properties to protect machine tools and parts
- Good wetting properties can help to reduce coolant drag out and help deliver cleaner machine tools and components

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Brown
Mineral oil content	Calculated	Wt%	57
Emulsion			
Appearance	Visual		Milky
pH (5%)	DIN 51369 ASTM E70-97	8.9	9.1
Refractometer Factor			1.0

Recommended Concentrations

Grinding	4-6%
General Machining	5-7%
Drilling	6-8%
Reaming and tapping	6-8%
Broaching	8-10%
Water hardness range	50-400 ppm CaCO ₃

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	ü	ü		ü	

Storage

To avoid product deterioration always keep the container/drum tightly sealed. For optimum product stability, store between 5°C/41°F and 45°C/113°F in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. It is preferable to store the product indoors.

For more details, please refer the product safety data sheet.

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