



Almaredge™ 23

General purpose soluble metalworking fluid

Description

Castrol Almaredge™ 23 is a general purpose soluble metalworking fluid which is formulated without boron and formaldehyde releasing agents. It contains an additive package that provides good lubrication properties and performs well in a wide water range.

Almaredge 23 can be used in single sump machines as well large systems.

Application

Almaredge 23 is a versatile product recommended for general machining on low-medium alloy steel and aluminium alloys.

ü ü 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						
Milling, Turning (general machining)	ü	ü ü	ü	ü ü		ü ü
Drilling	ü	ü ü	ü	ü ü		ü ü
Reaming, Tapping	ü	ü	ü	ü		ü ü
Broaching				ü		ü ü

Advantages

- Boron free to meet boron free waste requirements
- Formaldehyde releasing agent free which may help you to fulfill aspects of legislative requirements and waste treatment requirements that specify that these chemicals are exclude
- Suitable for a wide range of materials and applications provides opportunity for product consolidation
- Low foam in recommended water conditions (see details below)

Typical Characteristics

	Test Method	Unit	Almaredge 23
<u>Concentrate</u>			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	65
<u>Emulsion</u>			
Appearance	Visual		Milky
pH (5%)	DIN 51369 ASTM E70-97		9.3
Refractometer Factor			1.0

Subject to usual manufacturing tolerances.

Recommended Concentrations

General Machining 7-8 %
Drilling 7-10%
Reaming and Tapping 8-15%

Water range 150 – 900 ppm CaCO₃

Storage

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

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

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10 Jul 2023

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