

Almaredge 7

High performance soluble metalworking fluid

Description

Castrol Almaredge™ 7 (previously called Superedge™ 7) is a high performance chlorine containing soluble metalworking fluid which is boron free. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties and lower the overall operations costs.

Almaredge 7 is suitable for large central systems and single sump machines.

Application

Almaredge 7 is especially designed for machining of low-medium alloyed steel, high alloyed steel, stainless steel, aluminium alloys and yellow metals.

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 ü		ü
Broaching	ü	ü ü	ü ü	ü ü		ü

Advantages

- Boron free to reduce residue formation
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Good anti-corrosion properties to protect machine tools and parts
- Advanced lubricity compounds ensure improved tool life and part quality in steel and aluminum machining
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Multi-functional product for multi-metal operations results in product consolidation

Typical Characteristics

Name	Method	Units	Almaredge 7
<u>Concentrate</u>			
Appearance	Visual	-	Brown
Mineral Oil content	Calculated	Wt%	58
<u>Emulsion</u>			
Appearance	Visual	-	Milky
pH(5%)	DIN 51369	-	9.3
Refractometer Factor	ASTM E70-97	-	0.9

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	3-6%
General Machining	6-8%
Drilling	7-10%
Reaming and Tapping	7-10%
Broaching	8-10%
Deformation	5-30%

Water Range 100-400 pmm CaCO₃

Additional Information

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

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.

This product was previously called Superegde 7. The name was changed in 2015

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