

TECHNICAL DATA SHEET

GX 360

High Performance EP Semi Synthetic Metalworking Coolant

DESCRIPTION

Callington GX360 is a heavy duty semi synthetic metalworking coolant, which forms a highly stable milky emulsion when mixed with water. It is based on highly refined mineral oil and contains chlorinated extreme pressure additives for exceptional machining performance.

The product is formulated with innovative additive technology to provide long fluid life, excellent emulsion stability and corrosion protection.

TYPICAL APPLICATIONS

Callington GX360 is suitable for various metal cutting and grinding operations on **ferrous and non ferrous materials, including aluminium and its alloys, copper alloys, cast iron, stainless and hardened steels**. Can be used in applications where high levels of lubricity and extreme pressure performance required, including tapping, reaming and broaching.

Its versatility and long service life makes it ideal for use as a multipurpose fluid, and is equally suited for use in single sump machines and centralised coolant systems.

BENEFITS

- Product rationalisation – one product for multi – metal machining operations.
- Excellent coolant stability ensures consistent machining performance, minimises rejects, and improved machine cleanliness.
- Stable low foaming milky emulsion, with excellent wetting properties means less drag out and lower top up rates, minimises foam in high speed systems, and trouble free operation.
- Able to tolerate high tramp oil contamination, and is resistant to bacterial attack, means long service life and lower coolant costs.

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RECOMMENDED DILUTIONS

Material	Cast iron	Low Tensile Steel	Stainless /High Tensile Steel	Copper Alloys	Aluminium Alloys
Operation					
Grinding	4%	4%	4%	4%	5-10%
Turning					
Drilling	4%	5%	5-10%	4%	6-10%
Milling					
Reaming					
Tapping	4%	8%	10%	7%	6-10%
Threading					
Broaching	4%	10%	10%	10%	10%

TYPICAL DATA (note: data is typical; and does not constitute a specification)

Concentrate	Test method	Typical result
Appearance	Visual	Pale Brown Liquid
Density @ 15C g/ml	DIN 51757, ASTM D1298	1.03
Emulsion		
Appearance	Visual	White semi translucent
pH 5%	DIN 51361, ASTM E70-97	9.05
Refractometer Factor		1.5

Storage: Keep container closed, prevent exposure to frost, and prevent water ingress. Store in cool, dry conditions, and avoid direct sunlight. Indoor storage is preferable.

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