

Gensol GP

General-Purpose Emulsifiable Cutting Oil

Description

Gensol GP is a high quality general-purpose emulsifiable cutting oil developed to comply with the demands of modern machining techniques. Gensol GP exhibits high emulsion stability, excellent lubricity and anti-weld properties, anti-rust, anti-corrosion, anti-sludge as well as excellent cooling ability.

Application

Gensol GP can be used for machining all types of ferrous and non-ferrous metals in light to medium duty applications. Machining technologies include turning, milling, boring, forming, sawing, tapping, reaming, broaching, thread rolling, screw cutting, gear shaping, shaving and hobbing, form and thread milling as well as grinding. In certain cases it can also be used as a straight cutting oil to provide greater precision or a better metal finish. Other applications include its use as a lubricant on lightly loaded gears and bearings or as a hydraulic fluid.

NOTE: Gensol GP must be mixed correctly in order to form a stable emulsion. It must be added to water whilst stirring. The strength of the emulsion may vary from 1:10 for turning, milling, boring or sawing to 1:60 for grinding. Good housekeeping prolongs the life of the emulsion.

Benefits

- Superior surface finish
- High emulsion stability
- Good lubricity and anti-weld properties
- Anti-rust and corrosion protection
- Good anti-sludge properties
- Outstanding storage stability

Typical Physical Characteristics

Gensol GP	
Viscosity, cSt @ 40 °C	22
Flash Point °C, min.	120
Density @ 20 °C, kg/l	0.897
Cast Iron Corrosion, max.	0
Copper Corrosion, 3hrs @ 50 °C, max.	1b
Colour, Visual	Light Brown (undyed)
PH value 5% tap water	8.8
Emulsion charact / 5%/water	Milky
Corrosion IP 287 / 3 %/ water	0

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Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.

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