

WALTER VALENITE VALCOOL® VPTech

Heavy Duty Semi-Synthetic Metalworking Fluid

VPTech is a heavy duty water based metal working fluid designed for machining ferrous, non-ferrous and non-metallic materials. It works well on many applications that are performed by heavy duty soluble oils, but with the

benefits of a bio-resistant, semi synthetic metal working fluid. VPTech Compound creates a micro-emulsion which allows for proper heat dissipation and increased tool life while improving part tolerance and finish.

KEY PRODUCT BENEFITS

- Excellent corrosion protection
- Superior machining qualities
- Ultra-stable micro-emulsion
- Environmentally friendly product design
- Pleasant, non-offensive odor
- Chlorine, Phenol, Nitrate FREE

APPLICATION

VPTech is recommended for heavy duty operations in grinding, drilling, reaming, roll tapping, roll forming, and progressive stamping. It will replace many straight oil metalcutting and forming fluids. With proper maintenance, VPTech will result in a more stable quality of finished parts over a sustained period of time while providing a significant savings in operating cost.

CORROSION PROTECTION

VPTech is formulated with specialized corrosion protection additives to prevent oxidation.

BIOLOGICAL CONTROL

VPTech consists of a unique blend of ingredients to reject tramp oil, provide consistent machining performance and decreased rancidity.

LABORATORY INFORMATION

Appearance, Neat	Amber
Appearance, 5% Dilution	Light Amber
Specific Gravity	1.010 +/- .02
Pounds per Gallon	8.4 lbs.
pH, 5% Dilution	9.1 +/- .02
Nitrites	None
Chromates	None
Mercury Compounds	None

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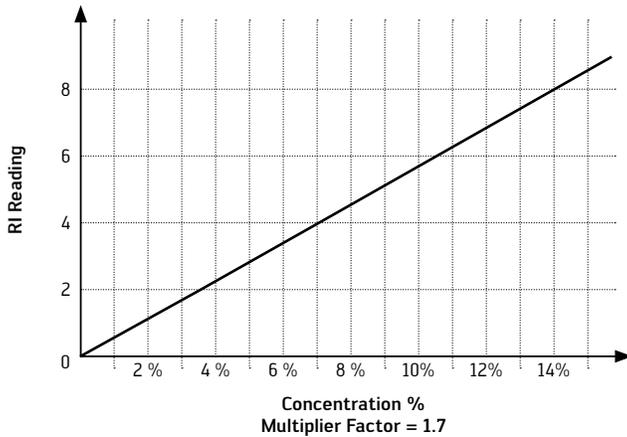
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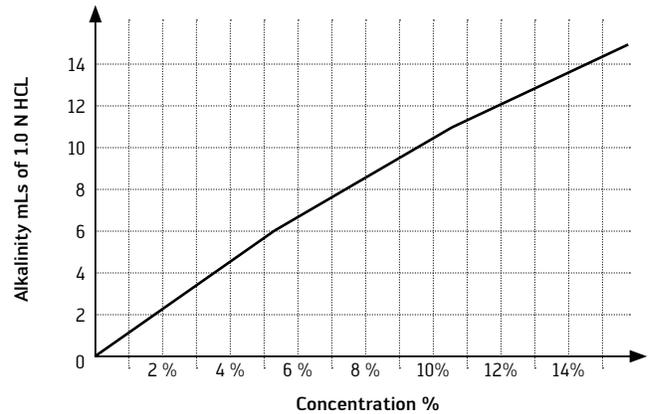


_ MONITORING CONCENTRATION

Refractive Index Concentration



Alkalinity Concentration



In order to maintain a bacteria free environment, thoroughly clean all areas of the coolant system before charging it with new coolant.

- 1. Sewer Discharge:** Primary treatment by acid-alum-polymer chemical to remove tramp oil solids. Consult appropriate federal state or local municipalities for discharge regulations.
- 2. Stream Discharge:** A biological treatment is recommended to reduce the oxygen demand for stream discharge. Consult appropriate federal state or local municipalities for discharge regulations

Available Quantities:

5 gallon pails, 55 gallon drums, 220 gallon disposable totes, 275 gallon bins, bulk tanker

INSTRUCTIONS FOR USE

1. Determine the system size in gallons
2. Multiply the total system size by the recommended % of VPTech
3. Slowly add the recommended amount of VPTech to the water and mix well
4. Always add VPTech to water, never in reverse order

For more safety information visit: www.osha.gov/SLTC/metalworkingfluids/metalworkingfluids_manual.html

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