



Synthetic 5503

PRODUCT DESCRIPTION

Synthetic 5503 is an oil-rejecting synthetic fluid specifically formulated for machining and grinding of ferrous and non-ferrous metals. The low pH allows the machining of materials such as aluminum, copper and brass without any staining. The Synthetic 5503 works well with most materials but excels in the machining of non ferrous materials. In addition, it contains environmentally responsible ingredients. This oil-rejecting fluid has a surfactant system, which affords less carryout of coolant, better cooling, and superior lubrication. Synthetic 5503 is a clean fluid capable of reducing overall production costs while satisfying the most critical machining operations.

APPLICATIONS

Synthetic 5503 is recommended for light to heavy duty machining on ferrous and non ferrous materials. It works outstanding in grinding applications and is compatible with most media such as Aluminum Oxide, CBN and more. The excellent cooling and rinsing characteristics keep the grinding wheels from loading up, reduces dressing which extends wheel life. The ingredients in the Synthetic 5503 allow for excellent machining in high heat applications such as turning and hogging. Can be used in high pressure systems up to 1500 psi. The Synthetic 5503 will not go rancid even in the toughest environments such as concrete sumps and heavy tramp oil machines with chip conveyers.

ADVANTAGES AND BENEFITS

- **IMPROVED MACHINABILITY** - contains a surfactant system that offers more lubrication over conventional synthetic coolants
- **LOW FOAMING** - has excellent foam control in all water types such as de-ionized and reverse osmosis water
- **QUICKLY SETTLES CHIPS AND SWarf** - will prevent grinding wheel build-up, and smut on tools. It will sustain a clean work area
- **EXCELLENT RUST PROTECTION** - has better rust protection than the standard high performance synthetic coolants
- **LONGER SUMP LIFE** - rejects tramp oils for easy skimming and longer life. It has high alkaline reserve for longer coolant life. It inhibits microbial growth to extend fluid life and control odor
- **PREVENTS BI-METALLIC CORROSION** - has superior performance in galvanic corrosion testing of aluminum and steel. It is safe to use in equipment with copper, brass, aluminum or bronze parts
- **PLEASANT TO USE** - has a mild odor even at high temperatures
- **FREE OF OIL, FORMALDEHYDE, NITRITES, PHENOLS, DIETHANOLAMINE, SULFUR AND PHOSPHORUS** - will comply with local and Federal safety and health regulations

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