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SM Cutting Oil MV 281E

SM Cutting Oil MV 281E is specially designed for use in automatic screw machines requiring a combination cutting fluid and machine tool lubricant. It has high lubricity, excellent boundary lubrication, and very effective anti wear capabilities to serve as the machine tool lubricant. It also contains very effective high performance chlorinated additives that supply outstanding EP performance and are non staining to steel, aluminum, brass and copper. The dual purpose, combination cutting and lubricating fluid, removes the chance of contamination and the many problems associated with incompatible fluids mixing.

Its formulation combines multiple boundary lubricants, high load carrying additives, advanced chlorinated EP agents, high performance anti-wear compounds, anti-oxidants, rust and corrosion inhibitors, anti-misting polymers, and dispersants into a complete package designed for high speed cutting of hard free machining steel and other stocks. The combination results in high quality surface finishes, high speed production, increased productivity, and long tool life. Polymers contained in this cutting fluid act to reduce the misting of the lower viscosity oils and additives required for rapid cooling and optimum production rates. They help to control mists to give a better and safer operating atmosphere.

Advantages

- * Excellent Machine Lubricant
- * Does Not Contain Chlorinated Paraffin's
- * High Load Carrying Capabilities – Better Surface Finishes
- * Superior EP and Anti-Wear Performance
- * Good Chip Drainage – Reduced Losses
- * Extended Tool Life
- * Good Anti-Misting Formulation
- * Superior Rust & Corrosion Protection
- * High Thermal & Oxidation Stability

Typical Properties

Color & Appearance	Clear - Lt Yellow
API Gravity	approx 27.4
Specific Gravity	approx 0.93
Viscosity, SUS @ 100 F	165
Viscosity, SUS @ 210 F	47
Flash Point, ° F	> 380
Fatty Content, Wt. %	approx 2.00
Chlorine, Wt. %	approx 1.25
Copper Strip Corrosion, 3 Hrs @ 212° F	1B Max
Rust Test	Pass