

## METALWORKING FLUID "FGA-46" FLUTE AND GENERAL GRINDING

### Typical Properties

ISO Grade, (Aprox.)	46
Color, ASTM D-1500	1.0 max
Viscosity, cSt	
At 40° C	46
At 100° C	6.6
Sulfur	None
Chlorine	None
Fatty Oil - Lubricity	Present
Phosphorus	>1225
Flash Point, (COC) Deg F/C	390/199
Specific Gravity, 60°/60°F	0.8762
Gravity, API @ 60° F	30.0
Density, lbs/gal	7.296

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Metalworking Fluid "FGA-46" is primarily formulated for flute grinding operations; the product may be used where machining requirements range from light to moderate on ferrous and non-ferrous metal alloys. "FGA-46" contains extreme pressure agents that provide excellent tool life. The product can be used as a hydraulic oil in metal working systems operating with functioning hydraulic mechanics; especially where cross contamination of the hydraulic media could affect grinding/machining. The non-chlorinated/sulfur-free product is light colored with low odor and anti-misting characteristics. It is formulated to minimize staining of the flutes in various speed operations. Metalworking Fluid "FGA-46" imparts corrosion/rust protection to both the working part and machine thereby contributing to better part/piece finish.