

# 8500



## FEATURES & BENEFITS

- Extreme Pressure Lubricity for Extended Tool Life
- Replaces Straight Oils in Many Applications
- Clean Fluid - Leaves No Sticky Deposits on Machine or Parts
- Mild pH and Low Odor for Greater Operator Acceptance
- Superior Tramp Oil Rejection
- Stable Emulsion in Hard and Soft Water
- Resilient Fluid with Excellent
- Microbial Resistance
- Multi-Metal Compatibility
- Excellent Performance in Multiple Operations
- Excellent Corrosion Protection

## PACKAGING

A-8500-05	5 Gal Pail
A-8500-55	55 Gal Drum
A-8500-275	275 Gal Tote

## PRODUCT DESCRIPTION

**APEX 8500** is a heavy duty, semi-synthetic water soluble metalworking fluid. It is heavily fortified with extreme pressure additives for use in difficult metal cutting and metal forming operations. It is a suitable replacement for straight oils in many applications. **APEX 8500** has excellent emulsion stability in hard water and combines the cooling and cleanliness of synthetics with the rust protection and lubricity of soluble oils. This product works well in hard and soft water. It will not form hard water soaps or cause excessive foaming in soft water. The mild pH leaves machines clean and free of gummy tramp oil deposits which enhances operator acceptance. It provides trouble-free performance on a wide range of metals and diverse operations in individual sumps and is equally suitable for continuous production requiring unimpeded efficiency, low maintenance and maximum fluid life.

## APPLICATION

Recommended for turning, milling, drilling, sawing, and grinding, stamping, drawing and roll forming on both ferrous and non-ferrous metals including cast iron and aluminum. Can be used in individual sumps or central systems.

## RECOMMENDED STARTING DILUTIONS

Operation	Carbon Steels, Cast Steels	High Alloy Steels, Stainless Steels	Aircraft, Tool Steels	Copper, Aluminum
Machining-Milling Drilling, Turning	1:20 (5.0%)	1:15 (6.7%)	1:10 (10%)	1:20 (5.0%)
Grinding	1:20 (5.0%)	1:20 (5.0%)	1:20 (5.0%)	1:20 (5.0%)
Reaming, Tapping, Sawing, Broaching	1:15 (6.7%)	1:10 (10%)	1:10 (10%)	1:15 (6.7%)

## REFRACTOMETER READINGS

Dilution Ratio	1:5 (20.0%)	1:10 (10.0%)	1:15 (6.7%)	1:20 (5.0%)	1:25 (4.0%)
Refractometer Reading	12.2	6.3	4.5	3.5	2.8

## NOTES

- Use Ashburn Machine Cleaner for quick and thorough pre-cleaning of machine tools and coolant systems.
- Consult Ashburn prior to use on metals or applications not recommended.
- Unless recommended by Ashburn, this product should not be mixed with metalworking fluid additives.