

7700EP



FEATURES & BENEFITS

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

PACKAGING

A-7704-14	1 Gal (4/Case)
A-7704-05	5 Gal Pail
A-7704-55	55 Gal Drum
A-7704-275	275 Gal Tote

Blue

A-7705-14	1 Gal (4/Case)
A-7705-05	5 Gal Pail
A-7705-55	55 Gal Drum
A-7705-275	275 Gal Tote

PRODUCT DESCRIPTION

APEX 7700EP is a heavy-duty, semi-synthetic water soluble fluid formulated with chlorinated EP (extreme pressure) additives for heavy duty operations. Offers the most advanced bioresistant additive technology to inhibit microbial growth. Designed for use on ferrous and most nonferrous metals including cast iron and aluminum. It has excellent emulsion stability in hard water and combines the cooling and cleanliness of synthetics with the rust protection and lubricity of soluble oils. Excellent for use in turning, milling, drilling, sawing and grinding in individual sumps or central systems.

APEX 7700 EP contains well balanced additive technology proven to extend fluid life and inhibit microbial growth. It forms a translucent emulsion that protects machines and parts from corrosion without depositing tacky or slippery residues. This robust multi-purpose metalworking fluid provides an economical solution to high fluid usage and waste by eliminating frequent system recharges, high make-up rates and excessive use of costly tank side additives.

APEX 7700 EP works well in hard and soft water. It will not form hard water soaps or cause excessive foaming in soft water. The product has a mild pH and 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.

TYPICAL ANALYSIS

APPEARANCE:.....Translucent Amber Liquid
 pH @ 10% SOLUTION:9.4
 SPECIFIC GRAVITY:1.03
 ODOR:..... Mild
 FLASH POINT:..... None

APPLICATION

Recommended for turning, milling, drilling, sawing, and grinding on both ferrous and non-ferrous metals including cast iron and aluminum.

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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%) - 1:13 (7.5%)	1:15 (6.7%) - 1:10 (10%)	1:10 (10.0%)	1:15 (6.7%) - 1:10 (10%)
Grinding	1:20 (5.0%) - 1:13 (7.5%)	1:20 (5.0%) - 1:13 (7.5%)	1:20 (5.0%) - 1:13 (7.5%)	1:20 (5.0%) - 1:13 (7.5%)
Reaming, Tapping, Sawing, Broaching	1:15 (6.7%) - 1:10 (10%)	1:10 (10%)	1:10 (10%)	1:15 (6.7%) - 1:10 (10%)

REFRACTOMETER READINGS

Dilution Ratio	1:10 (10.0%)	1:15 (6.7%)	1:20 (5.0%)	1:25 (4.0%)	1:30 (3.3%)
Refractometer Reading	5.8	4.4	3.3	3.0	2.2

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.