

# 7700 EP



## 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 Dye  
 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 7700 EP** 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.

## 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.

## 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 (10.0%)	1:10 (10.0%)	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 metal working fluid additives.



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