

**MAYLUBE S-830**  
*Phosphate Ester*  
**Water Soluble E.P. / Lubricity Additive**

**Maylube S-830** is a synthetic E.P. and boundary lubricity agent designed to improve performance and finish on both ferrous and non-ferrous alloys. **Maylube S-830** contains no chlorinated or sulfurized materials.

**Maylube S-830** is a water-soluble compound that produces transparent solutions in all dilutions and can be added directly to most semi-synthetic and synthetic fluid formulations (5-15% treat). However, **Maylube S-830** is not compatible with total oil rejecting synthetics.

**Maylube S-830** can be used as a sump side additive for enhanced performance. A recommended treat would be 1-2 gallons per 100 gallons coolant sump. **Maylube S-830** can be used in drawing operations that require an oil-free, easily removed residual film (20-45% treat). Success has been seen in non-ferrous through stainless applications. **Maylube S-830** has replaced highly chlorinated drawing compounds in some of these areas.

**Maylube S-830** has a synergistic effect in cutting applications with **Maylube S-003**, at an approximately 1:1 ratio. Total treat levels recommended would be 5% for light-duty machining to 30% for tapping operations.

**TYPICAL PROPERTIES**

Property	Result
Specific gravity @ 60/60°F	1.09
Density, lb/gal	9.08
Viscosity @ 100°F SUS (cSt)	1,500 (325)
Appearance	Clear Amber Fluid
Acid Value (meqKOH/g)	72
Total Alkalinity (meqKOH/g)	7.5
pH Value, Neat (5% Concentration)	8.2 (8.0)
Phosphorus Content, %	1.2

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