

Supplier - DOVER
Maylube S-830
Phosphate Ester
Phosphorus Containing Additives

Typical Properties

Appearance	Clear Amber Fluid
Specific Gravity@60/60°F	1.090
Density, lb/gal	9.08
Viscosity@100°F,SUS(cSt)	1500 (325)
Phosphorus Content,%wt	1.2
pH Value, Neat(5%Concentration)	8.2 (8.0)
Acid Value, meqKOH/g	72
Total Alkalinity, meqKOH/g	7.5

Product Description

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 also 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.

Applications	Suggested Treat Rates, %wt
Sump Side Booster	1 - 2
Light Duty Cutting Oils	5
Semi-Synthetic	5 - 15
Synthetic	5 - 15
Tapping	20
Drawing	20 - 45

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