

Supplier - DOVER
Doverphos EP-425
Phosphate Ester
Phosphorus Containing Additives

Typical Properties

Appearance	Clear to Slightly Hazy Fluid
Phosphorus Content,%wt	4.5
Specific Gravity(60/60°F)	0.990
Viscosity@100°F(210°F),SUS	3400 (500)
Acid Value meq KOH/g	< 0.5
Viscosity Index	250
Color (ASTM D-1500)	< 0.5

Product Description

DOVERPHOS EP-425 is a polymeric phosphite ester suitable for machining/grinding of ferrous and non-ferrous alloys. Can be incorporated in neat oils, as well as water-dilutable coolants.

DOVERPHOS EP-425 brings both anti-wear (AW) and extreme pressure (EP) to the compounder/blender's formula.

Advantages and Benefits:

- Light color and low odor
- Non-chlorinated extreme pressure lubrication extends tool life and improves finishes
- Stable in a wide variety of mineral oils, synthetic oils, and esters
- Extremely low acidity, thus reducing possibility of staining on non-ferrous alloys
- 30% wear scar reduction compared to inactive sulphurised ester
- 30-40% wear scar reduction compared to other phosphorus-containing additives
- Higher efficiency in drawing carbon steel and stainless steel compared to sulphurised additives, chlorinated additives, and other phosphorus-containing additives
- Equal performance to chlorinated, and sulphurised additives in tapping carbon steel
- Globally registered
- HX-1 approved

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