

### 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
Std Packaging (NW / GW, Kg)	215.0 / 198.0

### 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

Print date: 30-08-25

**Disclaimer:** Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.