

Supplier - SMART OIL  
**SmartPhos W5882**  
*Phosphate Ester Package*  
*Water-Based EP Additives*

### Typical Properties

Appearance	Amber Liquid
Specific Gravity@25°C	1.000 - 1.100
Viscosity@40°C, cSt	200 - 400
pH Value (5% Water Dilution)	7.0 - 8.5

### Product Description

**SMARTPHOS W5882** is a phosphorus containing package that can boost the boundary lubricity and extreme pressure characteristics in water-based coolant.

**SMARTPHOS W5882** is designed for use in soluble oil, semi-synthetic and fully-synthetic formulations, which is suitable for the machining for both ferrous and non-ferrous metals.

**SMARTPHOS W5882** can be used as tank side additive that can improve the product finishing and reduce the smoke evolved at the points of metal contacts during machining.

**SMARTPHOS W5882** exhibits synergistic effect when it is used together with other lubricity boosters such as **SMARTFORT LB6220** or **SMARTFORT LB6230**, which can obviously boost the anti-wear and extreme pressure performance. The mixture is especially good for stamping and drawing applications.

**SMARTPHOS W5882** itself is a fully-fledged product that can be used as stamping drawing coolants after being inverted dilution with water (water was poured into **SMARTPHOS W5882**).

### Applications

Sump Side  
 Semi-synthetics / Synthetics  
 Drawing

### Suggested Treat Rates, %wt

2  
 3 - 15  
 20 - 45