

**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     |
| Std Packaging (NW / GW, Kg)  | 230.0 / 220.0 |

**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

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