

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 | Suggested Treat Rates, %wt |
|------------------------------|-----------------------------------|
| Sump Side | 2 |
| Semi-synthetics / Synthetics | 3 - 15 |
| Drawing | 20 - 45 |

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