

Supplier - SMART OIL
SmartPhos W5880
Phosphate Additive
Water-Based EP Additives

Typical Properties

Appearance	Clear Colourless to Pale Yellow Liquid
Specific Gravity@25°C	1.150 - 1.300
Viscosity@40°C, cSt	500 - 700
pH Value (5% Water Dilution)	1.0 - 3.0
Phosphorus Content, %wt	4 - 7

Product Description

SMARTPHOS W5880 is a water soluble phosphate ester, which provides excellent anti-wear and EP properties to the finished coolant. It can effectively improve the product finishing for both ferrous and non-ferrous alloys.

As **SMARTPHOS W5880** is incorporated with low foam emulsifier, it will not produce much foam when blended in formulations.

SMARTPHOS W5880 is a good at replacing traditional chlorinated paraffin in water-based formulations. Due to its colorless characteristic, it can easily be blended with other components to make up the colorless finished coolant with strong anti-wear characteristic.

SMARTPHOS W5880 can also be used as a tankside additive for enhanced performance in product finishing, especially for the aluminum alloys.

SMARTPHOS W5880 can be used for light-duty drawing operations which require oil-free and residual film easily removed.

Applications	Suggested Treat Rates, %wt
Soluble Oils / Semi-synthetics / Synthetics	3 - 8
Tankside	0.5 - 1
Light Duty Drawing	10 - 25

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