

Supplier - SMART OIL
SmartPhos P6800
Phosphate Ester
Phosphate Containing Additives

Typical Properties

Appearance	Clear Yellow Liquid
Specific Gravity@25°C	0.900 - 1.100
Phosphorus Content, %wt	> 5
Acid Value, mgKOH/g	< 260
Flash Point C.O.C., °C	> 170
P _B /P _D , kg+	114 / 250

[†]4 Ball Wear Test; 5% additive in SN150, Server Motor Speeds reach 1500rpm (P_B) and 1760rpm (P_D) in 0.03sec.

Product Description

SMARTPHOS P6800 is an oil-based phosphate ester with light color and low odor. It provides excellent lubricity and anti-wear properties when blended with other sulfurized or chlorinated EP additives for use in neat oil formulations.

SMARTPHOS P6800 exhibits excellent performance in severe operations on difficult-to-machine metals. It will reduce smog and improve the surface finishing on the workpieces.

SMARTPHOS P6800 will improve the performance of drawing & forming oils due to its excellent lubricity and AW properties.

SMARTPHOS P6800 can be added directly into base oil to blend light-duty cutting oil with light or low odor.

Applications

Drawing & Forming Oils
 Light Duty Cutting Oils
 General Cutting

Suggested Treat Rates, %wt

2 - 5
 1 - 5
 0.5 - 2

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