**Supplier - SMART OIL** SmartPhos P9930

**Phosphorus Containing Coupound** Phosphate Containing Additives

## **Typical Properties**

Appearance Deep Amber Liquid Specific Gravity@25°C 0.910 - 0.920Viscosity@40°C, cSt 30 - 39 Phosphorus Content, %wt > 4 Acid Value, mgKOH/g < 160 Flash Point C.O.C.,°C > 140 Copper Corrosion+ 1b  $P_B/P_D$ , kg++ 143 / 500 Microtap Test, Ncm+++ 101.4

## **Product Description**

SMARTPHOS P9930 is deep amber, low viscosity phosphorus containing package additve, which has high resistance to hydrolysis. Product can be applied to water-based formulations, which can effectively replace animal fat and chlorinated paraffin to boost the lubricating and extreme pressure properties.

SMARTPHOS P9930 has good anti-wear and extreme pressure characteristics, which are suitable for application in drawing, stamping, calendering, rolling and forging technologies.

SMARTPHOS P9930 has good compatibility in different groups of mineral oils, synthetic oils and synthetic esters that can help the blenders to blend stable products.

**SMARTPHOS P9930** is not apt to corrode ferrous and non-ferrous metals, so, it can machine yellow metals.

**Applications** General Application Suggested Treat Rates, %wt

1-10

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<sup>\*10%</sup> additive in SN150, 3h, 100

<sup>++4</sup> Ball Wear Test; 5% additive in SN150, Servo Motor Speeds reach 1500rpm (P<sup>B</sup>) and 1760rpm (P<sup>D</sup>) in 0.03sec.

\*\*\*TTT System G8,Material:3.4365M4F,Speed:1500rpm,Depth 8mm,Max.Output Torque 400Ncm.