

Supplier - SMART OIL
SmartPhos P9930
Phosphorus Containing Compound
Phosphate Containing Additives

Typical Properties

Appearance	Deep Amber Liquid
Specific Gravity@25°C	0.910 - 0.920
Viscosity@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

*10% additive in SN150, 3h, 100

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

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

Product Description

SMARTPHOS P9930 is deep amber, low viscosity phosphorus containing package additive, 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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