

Supplier - SMART OIL
SmartPhos P3256
Z,Z-di-9-Octadecenyl Phosphate
Phosphate Containing Additives

Typical Properties

Appearance	Dark Amber Liquid
Specific Gravity@25°C	0.850-0.950
Viscosity@40°C, cSt	30-45
Phosphorus Content, %wt	> 5.0
Acid Value, mgKOH/g	<10
Flash Point C.O.C., °C	> 170
P _B /P _D , kg+	128/315

*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 P3256 is a diolelphosphite; which can be used in water-based formulations to elevate antiwear property.

SMARTPHOS P3256 is not easy to be hydrolyzed due to large molecular structure. It possesses high thermal stability and contains no phenolic moiety, so is not detrimental to the environment.

SMARTPHOS P3256 can be used as anti-friction and lubricating agent. When added at 0.5-2% to the working fluids, it can enhance finishing of the workpieces.

SMARTPHOS P3256 is suitable for processing yellow metals. It also exhibits good anti-friction performance in formulations of steel rolling oils, and surface finishing of the workpieces can be enhanced.

Applications

General Application

Suggested Treat Rates, %wt

0.5 - 3

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