Supplier - SMART OIL
Smart Base PN8700

Phosphate Nitrogen Compound Phosphate Containing Additives

Typical Properties

Appearance Deep Amber Liquid Specific Gravity@25°C 0.800 - 1.200 Viscosity@40°C, cSt 8900 - 9500 Nitrogen Content, %wt 3.50 Phosphorus Content, %wt 4 Acid Value, mgKOH/g < 170 Flash Point C.O.C., °C > 200 P_B/P_D , kg+ 61 / 200

Product Description

SMART BASE PN8700 is an excellent antiwear and EP additive; suitable for replacing chlorinated paraffin in water-based formulations. The product is suitable for machining alloy steels, titanium alloys, and non-ferrous metals.

SMART BASE PN8700 can effectively elevate the surface finishing of workpieces. At the same time, it can strengthen the emulsion stability of water-based products.

SMART BASE PN8700 has higher acid value, so cannot be used with the over-based calcium sulfonate; it can be neutralized by mixing with the TEA prior to blending with other additives.

Applications
General Application

Suggested Treat Rates, %wt 3.0 - 8.0

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