Supplier - SMART OIL

Smart Base 1219

Sulfurized Fatty Oil

Dark Color Sulfurized Additives

Typical Properties

Appearance	Dark Brown Liquid
Specific Gravity@25℃	1.000 - 1.100
Viscosity@40℃, cSt	550 - 850
Sulfur Content (Active), %wt	17 - 20 (6)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., ℃	> 190
Copper Corrosion+	4B
P_B / P_D, kg++	88 / 315

+10% additive in SN150, 3h, 100°C

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

Product Description

SMART BASE 1219 is a sulfurized fatty oil additive with relatively high sulfur content. It possesses high lubricity, can exhibit superior performance in cold heading and drawing oil formulations.

SMART BASE 1219 possesses superior EP properties, so it is specially suitable for machining tough metals like stainless steels and titanium alloys.

SMART BASE 1219 contains active sulfur; so it is not suitable for processing copper, bronze and brass.

Applications	**Suggested Treat Rates, %wt**
Reaming	10 - 20
Reaming	10 - 20
Cold Heading (Cut Side Only)	20 - 30
Reaming	10 - 20
Turning	5 - 10

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