

Supplier - SMART OIL  
**Smart Base 1417**  
*Sulfurized Fatty Oil*  
*Dark Color Sulfurized Additives*

**Typical Properties**

Appearance	Dark Brown Liquid
Specific Gravity@25°C	1.000 - 1.100
Viscosity@40°C, cSt	250 - 500
Sulfur Content (Active), %wt	16 - 18 (6)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 160
Copper Corrosion+	4B
P <sub>B</sub> /P <sub>D</sub> , kg++	88 / 250

\*10% additive in SN150, 3h, 100

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

**Product Description**

**SMART BASE 1417** is a premium sulfurized fatty additive, with both vegetable and lard oils as raw materials. It possesses low viscosity, so is easy to blend. The color for 5% dilution in base oil is translucent deep brown.

**SMART BASE 1417** possesses relatively good wetting and lubricating characteristics when compared to traditional sulfurized lard oil. It is not easy to corrupt, with good cleansing property after operation.

**SMART BASE 1417** possesses very good EP property; specially suitable for severe operation on hard-to-machine steel alloys.

**SMART BASE 1417** contains active sulfur, so it is not suitable for machining general copper, bronze and brass.

<b>Applications</b>	<b>Suggested Treat Rates, %wt</b>
Reaming	10 - 20
Reaming	10 - 20
Cold Head (Cut Side Only)	20 - 30
Reaming	10 - 20
Turning	5 - 10

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