

Supplier - SMART OIL  
**Smart Base 1317**  
*Sulfurized Fatty Oil*  
*Dark Color Sulfurized Additives*

**Typical Properties**

Appearance	Dark Brown Liquid
Specific Gravity@25°C	0.950 - 1.050
Viscosity@40°C, cSt	500 - 700
Sulfur Content (Active), %wt	16 - 18 (5)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 190
Copper Corrosion+	4B
PB/PB,kg++	88/315

++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 1317** is a sulfurized lard oil additive which is suitable for use in various kinds cutting oil of ferrous metals.

**SMART BASE 1317** is suitable to produce processing fluids with a wide range of viscosity systems such as stamping oil, drawing oil, cold forging oil, etc.

**SMART BASE 1317** has excellent anti-wear, lubrication and extreme pressure properties, especially suitable for cold forging process such as nuts and sleeves; and can extend the service life of the mold.

**SMART BASE 1317** contains active sulfur; therefore, it is not suitable for the processing of copper, bronze and brass.

**Applications**

**Suggested Treat Rates, %wt**

Threading	10 - 20
Tapping	10 - 20
Cold Heading (Cut Side Only)	20 - 30
Automatic Screw Machines (Cut Side Only)	10 - 20
Turning Operation	5 - 10

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