

Supplier - SMART OIL  
**Smart Base 3517**  
*Sulfurized Fatty Oil*  
*Light Color Sulfurized Additives*

**Typical Properties**

Appearance	Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	200 - 400
Sulfur Content (Active), %wt.	15 - 17
Acid Value, mgKOH/g	< 8
Flash Point C.O.C., °C	> 150
Copper Corrosion+	4B
P <sub>B</sub> /P <sub>D</sub> kg, kg++	88 / 315

\*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 3517** is a kind of amber, high viscosity, low-odor fatty oil; with excellent lubricating and extreme pressure properties, it is recommended for use in neat oil formulations for the processing ferrous metals.

**SMART BASE 3517** is suitable for heavy-duty processing like tapping, drawing, stamping and turning. Compared with other additives similar sulfur content, **SMART BASE 3517** exhibits better lubrication and EP performance, that can effectively enhance the surface finishing of workpieces and extend the tool life.

**SMART BASE 3517** has good compatibility in different groups of base oils that make it easy to blend different types of processing oil.

**SMART BASE 3517** contains active sulfur, which is not suitable for the processing ordinary copper, bronze, and brass.

<b>Applications</b>	<b>Suggested Treat Rates, %wt</b>
Threading	8 - 15
Tapping	10 - 20
Cold Head (Cut Side Only)	8-15
Automatic Screw Machines (Cut Side Only)	5 - 12

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