

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

Print date: 29-04-26

***Disclaimer:** Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.*