

Supplier - SMART OIL  
**Smart Base 2518**  
*Sulfurized Fatty Oil*  
*Light Color Sulfurized Additives*

### Typical Properties

Appearance	Yellow to Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	10 - 30
Sulfur Content (Active), %wt	16 - 18 (< 4)
Acid Value, mgKOH/g	< 11
Flash Point C.O.C., °C	> 135
Copper Corrosion+	1B
P <sub>B</sub> /P <sub>D</sub> , kg++	82 / 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 2518** is yellowish amber, low-odor sulfurized fatty oil, with low active sulfur, good lubricity, anti-wear and extreme pressure characteristics. It is recommended for use in formulations for neat oil and soluble oil machining on both ferrous and non-ferrous metals.

**SMART BASE 2518** possesses low viscosity and is easy to be blended together with other additives and base oils. It exhibits superior EP property compared to conventional equivalent amounts of sulfur-containing additives.

**SMART BASE 2518** is recommended in the formulations for machining the alloys of stainless steel and titanium.

**SMART BASE 2518** will not easy to corrode yellow metals; so it can be used to machine brasses and bronzes.

**SMART BASE 2518** has good stability and compatibility with other additives and different groups of base oils, which make it easy for blenders to use for blending different types of machining oils.

### Applications

### Suggested Treat Rates, %wt

Reaming	3 - 15
Reaming	3 - 15
Cold Head	5 - 10
Automatic Screw Machines	5 - 15
Turning	2 - 8

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