

Supplier - SMART OIL  
**Smart Base 2517**  
*Sulfurized Fatty Oil*  
*Light Color Sulfurized Additives*

### Typical Properties

Appearance	Clear Light Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	40 - 140
Sulfur Content (Active ), %wt	13 - 17 (7)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 130
Copper Corrosion+	4B
P <sub>B</sub> /P <sub>D</sub> , 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 2517** is a clear light amber fatty oil EP additive with high active sulfur; mainly used in formulations for metal working oils.

**SMART BASE 2517** possesses low viscosity, so is specially suitable for formulating deep drilling and honing oils; which require extremely superior cleansing property.

**SMART BASE 2517** possesses excellent lubricating, anti-wear and EP properties. It exhibits more superior performance when blended with phosphate esters such as **SMARTPHOS P6800 / P7800** and chlorine replacement additive like **SMART BASE CR-2050**.

**SMART BASE 2517** is light color, so operations can easily be monitored. Its low odor can be accepted easily by workers.

**SMART BASE 2517** 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.

<b>Applications</b>	<b>Suggested Treat Rates, %wt</b>
Threading	3 - 15
Threading	3 - 15
Cold Heading (Cut Side Only)	5 - 20
Automatic Screw Machines (Cut Side Only)	5 - 10
Turning	2 - 8

Print date: 08-06-26

**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.