

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                 |

<sup>+</sup>10% additive in SN150, 3h, 100

<sup>++</sup>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.

### Applications

### Suggested Treat Rates, %wt

|                                          |        |
|------------------------------------------|--------|
| Threading                                | 3 - 15 |
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| Cold Heading (Cut Side Only)             | 5 - 20 |
| Automatic Screw Machines (Cut Side Only) | 5 - 10 |
| Turning                                  | 2 - 8  |

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