

Supplier - SMART OIL  
**Smart Base 2516**  
*Sulfurized Fatty Oil*  
*Light Color Sulfurized Additives*

**Typical Properties**

Appearance	Dark Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	650 - 850
Sulfur Content (Active), %wt	13.5 - 16.5 (<6)
Acid Value, mgKOH/g	≤ 13
Flash Point C.O.C., °C	> 130
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, Servo Motor Speeds reach 1500rpm (PB) and 1760rpm (PD) in 0.03sec.

**Product Description**

**SMART BASE 2516** is a sulfurized fatty oil colored amber and with low odour. It contains sulfur as high as 16%; but still will not easily stain yellow metals.

**SMART BASE 2516** possesses excellent lubricity and EP properties, and it is recommended for use in formulations of cutting and forming oils for ferrous and non-ferrous metals.

When compared to other sulfurized additives, **SMART BASE 2516** exhibits relatively high oil film strength due to its high viscosity; so it exhibits high performance in stamping and drawing operations.

**SMART BASE 2516** is light color, so operations can easily be observed during processing, and its low odor is easily acceptable by workers.

**SMART BASE 2516** 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 - 10
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Cold Head (Cut Side Only)	5 - 20
Automatic Screw Machines (Cut Side Only)	5 - 10
Turning	2 - 8

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