

Supplier - SMART OIL  
**Smart Base 2810**  
*Sulfurized Fatty Oil*  
*Light Color Sulfurized Additives*

**Typical Properties**

Appearance	Clear Dark Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	900 - 1400
Sulfur Content (Active), %wt	10 - 12 (<3)
Acid Value, mgKOH/g	≤ 5
Flash Point C.O.C., °C	> 145
Copper Corrosion+	1B
P <sub>B</sub> /P <sub>D</sub> , kg++	76 / 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 2810** is a deep amber sulfurized fatty oil with low-odor property. It possess high viscosity and good EP characteristic; so it is suitable for heavy-duty operations such as machining titanium alloys.

**SMART BASE 2810** is also suitable for using in the formulations of drawing, stamping and forming oils.

**SMART BASE 2810** has low staining characteristic, so can be used for both ferrous and non-ferrous metals.

**SMART BASE 2810** has good stability and compatibility with other additives and different types of base stocks, which make it easy for blenders to use for blending different types of machining oils.

**Applications**

**Suggested Treat Rates, %wt**

Tapping	3 - 15
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Cold Head (Cut Side Only)	5 - 10
Automatic Screw Machines (Cut Side Only)	5 - 8
Turning	2 - 8

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