

Supplier - SMART OIL  
**Smart Base 1310LV**  
*Sulfurized Methyl Ester*  
*Dark Color Sulfurized Additives*

### Typical Properties

Appearance	Dark Brown Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	15 - 25
Sulfur Content (Active), %wt	9 - 11 (0)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 160
Copper Corrosion+	1B
P <sub>B</sub> /P <sub>D</sub> , kg++	82 / 200

\*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 1310LV** is a sulfurized methyl ester additive with low viscosity and low odor. It contains no active sulfur, so can be used in formulations for non-ferrous applications.

**SMART BASE 1310LV** can be used as lubricant and EP additive in both neat oil and water-based formulations; having good compatibility with various kinds of EP additives and co-emulsifiers.

#### **Applications**

Neat Oil Cutting  
 Neat oil Stamping / Drawing  
 Soluble Oil / Rolling Oil

#### **Suggested Treat Rates, %wt**

5 - 10  
 3 - 15  
 2 - 10

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