

Supplier - SMART OIL  
**Smart Base 1120**  
*Sulfurized Fatty Oil*  
*Dark Color Sulfurized Additives*

**Typical Properties**

Appearance	Dark Brown Liquid
Specific Gravity@25°C	0.950 - 1.000
Viscosity@40°C, cSt	450 - 950
Sulfur Content (Active ), %wt	10 - 12 (0)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 170
Copper Corrosion+	1B
P <sub>B</sub> /P <sub>D</sub> , kg++	88 / 250

\*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 1120** is a premium inactive sulfurized lard oil additive; suitable for machining different kinds of ferrous and non-ferrous metals.

**SMART BASE 1120** will not cause corrosion of brass and bronze under normal machining condition; so suitable for severe operations on non-ferrous metals.

**SMART BASE 1120** possesses superior EP and lubricity properties; suitable for waylube, cutting oil and rolling oil formulations.

**SMART BASE 1120** can be blended with tackifier such as SmartTac H and Group I ISO 68 and ISO 220 grade base oil to prepare for the heavy-medium way lubricant of the CINCINNATI MILACRON P-47 and heavy way lubricant of the CINCINNATI MILACRON P-47 respectively.

Recommended treat rate is: **SMART BASE 1120** 5%, **SmartTac H** 0.5%, Base Oil 94.5%.

<b>Applications</b>	<b>Suggested Treat Rates, %wt</b>
Threading	10 - 15
Tapping	10 - 20
Tapping	10 - 20
Rolling Oil	3 - 10

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