

Supplier - SMART OIL

**Smart Base 1219**

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*Sulfurized Fatty Oil***Typical Properties**

|  |                   |
|--|-------------------|
| Appearance                             | Dark Brown Liquid |
| Specific Gravity@25°C                  | 1.000 - 1.100     |
| Viscosity@40°C, cSt                    | 550 - 850         |
| Sulfur Content (Active), %wt           | 17 - 20 (6)       |
| Acid Value, mgKOH/g                    | ≤ 8               |
| Flash Point C.O.C., °C                 | > 190             |
| Copper Corrosion+                      | 4B                |
| P <sub>B</sub> / P <sub>D</sub> , kg++ | 88 / 315          |
| Std Packaging (NW / GW, Kg)            | 200.0 / 217.0     |

**Product Description**

**SMART BASE 1219** is a sulfurized fatty oil additive with relatively high sulfur content. It possesses high lubricity, can exhibit superior performance in cold heading and drawing oil formulations.

**SMART BASE 1219** possesses superior EP properties, so it is specially suitable for machining tough metals like stainless steels and titanium alloys.

**SMART BASE 1219** contains active sulfur; so it is not suitable for processing copper, bronze and brass.

**Applications****Suggested Treat Rates, %wt**

|                              |         |
|------------------------------|---------|
| Reaming                      | 10 - 20 |
| Reaming                      | 10 - 20 |
| Cold Heading (Cut Side Only) | 20 - 30 |
| Reaming                      | 10 - 20 |
| Turning                      | 5 - 10  |

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