

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 _B /P _D , 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.

Applications

Suggested Treat Rates, %wt

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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