

Supplier - SMART OIL
Smart Base 1417
Sulfurized Fatty Oil
Dark Color Sulfurized Additives

Typical Properties

Appearance	Dark Brown Liquid
Specific Gravity@25°C	1.000 - 1.100
Viscosity@40°C, cSt	250 - 500
Sulfur Content (Active), %wt	16 - 18 (6)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 160
Copper Corrosion+	4B
P _B /P _D , kg++	88 / 250

⁺10% additive in SN150, 3h, 100

⁺⁺4 Ball Wear Test; 5% additive in SN150, Server Motor Speeds reach 1500rpm (P_B) and 1760rpm (P_D) in 0.03sec.

Product Description

SMART BASE 1417 is a premium sulfurized fatty additive, with both vegetable and lard oils as raw materials. It possesses low viscosity, so is easy to blend. The color for 5% dilution in base oil is translucent deep brown.

SMART BASE 1417 possesses relatively good wetting and lubricating characteristics when compared to traditional sulfurized lard oil. It is not easy to corrupt, with good cleansing property after operation.

SMART BASE 1417 possesses very good EP property; specially suitable for severe operation on hard-to-machine steel alloys.

SMART BASE 1417 contains active sulfur, so it is not suitable for machining general copper, bronze and brass.

Applications

Suggested Treat Rates, %wt

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

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