

Supplier - SMART OIL
Smart Base 3517
Sulfurized Fatty Oil
Light Color Sulfurized Additives

Typical Properties

Appearance	Amber Liquid
Specific Gravity@25°C	0.900 - 1.000
Viscosity@40°C, cSt	200 - 400
Sulfur Content (Active), %wt.	15 - 17
Acid Value, mgKOH/g	< 8
Flash Point C.O.C., °C	> 150
Copper Corrosion+	4B
P _B /P _D kg, kg++	88 / 315

*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 3517 is a kind of amber, high viscosity, low-odor fatty oil; with excellent lubricating and extreme pressure properties, it is recommended for use in neat oil formulations for the processing ferrous metals.

SMART BASE 3517 is suitable for heavy-duty processing like tapping, drawing, stamping and turning. Compared with other additives similar sulfur content, **SMART BASE 3517** exhibits better lubrication and EP performance, that can effectively enhance the surface finishing of workpieces and extend the tool life.

SMART BASE 3517 has good compatibility in different groups of base oils that make it easy to blend different types of processing oil.

SMART BASE 3517 contains active sulfur, which is not suitable for the processing ordinary copper, bronze, and brass.

Applications	Suggested Treat Rates, %wt
Threading	8 - 15
Tapping	10 - 20
Cold Head (Cut Side Only)	8-15
Automatic Screw Machines (Cut Side Only)	5 - 12

Print date: 13-06-26

Disclaimer: Information provided by this website and product page including specifications, applications and formulations are based on tests and data supplied by Smart Oil companies, manufacturers or any of our collaborated companies or suppliers, which are believed to be correct and reliable at the time of writing and data update. However, Smart Oil companies, manufacturers or any of our collaborated companies or suppliers make no warranty or responsibility, express or implied, of any kind regarding products, performance, formulations or applications, as operation conditions and application environments are beyond our control, or products will be modified by action of manufacturers or due to change in market environments. Users are herewith expressly requested to conduct test to determine the suitability of our products or product information before use. Furthermore, we regret that we cannot be responsible for informing customers any changes in specifications, formulations, or other technical contents on this website and product page. Also, We hereby state that all product trademarks other than Smart Oil, including trademarks from our , suppliers are the trademarks belong to the respective companies, or from their sources.