

Supplier - SMART OIL
Smart Base 1410
Sulfurized Fatty Oil
Dark Color Sulfurized Additives

Typical Properties

Appearance	Brown Liquid
Specific Gravity@25°C	0.950 - 1.000
Viscosity@40°C, cSt	100 - 200
Sulfur Content (Active), %wt	9 - 11 (0)
Acid Value, mgKOH/g	≤ 8
Flash Point C.O.C., °C	> 160
Copper Corrosion+	1B
P _B /P _D , kg++	82 / 200

*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 1410 is a non-active sulfurized fatty oil, suitable for machining non-ferrous and ferrous metals.

SMART BASE 1410 gives a clear dark red amber translucent fluid when blended with base oil at 5%; with low viscosity, so easy to blend.

SMART BASE 1410 possesses superior lubricity and EP properties; it can improve surface finishing of workpieces after operation.

SMART BASE 1410 possesses excellent compatibility. It can be used with majority of mineral oils, and can be used in extensive formulations like cutting oils, drawing oils and cold heading oils.

Applications

Gear Cutting
 Cold Heading
 Automatic Screw Machine

Suggested Treat Rates, %wt

5 - 10
 25 - 50
 10 - 20

Print date: 02-05-26

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.