

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°C

⁺⁺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

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