

Supplier - SMART OIL
Smart Base CF1104LK
Light Color Universal Cutting Oil Package
Light Color Cutting Oil Packages

Typical Properties

Appearance	Clear Amber Liquid
Viscosity@40°C, cSt	20 - 50
Flash Point C.O.C., °C	> 150
Acid Value, mgKOH/g	8.0 - 10.5
Sulfur Content (Active), %wt	10 - 15 (<3.5)
Fat Content, %wt	> 20
P _B /P _D , kg+	71 / 315

[†]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 CF1104LK is a universal neat oil package for the applications of machining, cutting and forming on yellow and ferrous metals. It contains extreme pressure (EP) and anti-wear additives, which can effectively avoid welding at metal contact points between the workpiece cutting tools, so can prolong tool life. Moreover, it contains wetting agent that can effectively elevate the quality of surface finishing of the workpieces.

SMART BASE CF1104LK contains small amount of active sulfur, but suitable for both yellow and ferrous metals as trace amount of corrosion inhibitor has been added to avoid copper corrosion. It does not contain any chlorinated paraffin, and is environmentally friendly.

Applications

Yellow Metals
 Ferrous Metals
 Stainless Steels

Suggested Treat Rates, %wt

2 - 3
 5 - 10
 10 - 20