

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 <sub>B</sub> /P <sub>D</sub> , kg+	71 / 315

\*4 Ball Wear Test; 5% additive in SN150. Server Motor Speeds reach 1500rpm (P<sub>B</sub>) and 1760rpm (P<sub>D</sub>) 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

Print date: 13-06-26

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