

## CC 22 *Straight Cutting Oil*

### GENERAL DESCRIPTION

Hangsterfer's new CC oils are designed for light and medium duty metalcutting and metalforming operations. These economically formulated oils are blended under the same quality control standards set for the premium Hard Cut® Series. Offering superior lubrication for the machine tool as well as the cutting operation, CC oils provide benefits in productivity, equipment life and environmental compliance.

### APPLICATION

CC 22 is a chlorine-free, lightweight cutting oil designed to perform in a broad range of metalworking operations. CC 22 is formulated using the latest in synthetic technology. This provides for ample anti-weld and anti-wear properties when turning and machining aluminum and carbon steel. It is also an excellent chlorine-free alternative for stamping and forming of thinner material stock.

CC 22 is clean without compromise. The operator is exposed to less mist and the machine to fewer residues. It can provide up to six months of rust protection on ferrous materials.

CC 22 is low enough in viscosity that it can be pumped at high pressures and volumes. The highly refined raw materials allow CC 22 to be easily filtered, thus extending its useful life. Should it be necessary, CC 22 will blend readily with any of Hangsterfer's performance boosting, straight oil additives such as CC 90, Additive 8 or Hard Cut 525.

<i>Materials</i>	
Aluminum Alloys	Stainless Steels
Carbon Steels, Low, Medium and High	Titanium
Nickel Alloys	

<i>Operations</i>	
CNC Swiss-Style Turning	CNC Machining
General Machining and Turning	Stamping
Grinding	Honing

### MAINTENANCE & CLEANING

*Maintenance:* The CC oils are designed to reject foreign contaminants, such as metal fines. If the performance of the oil begins to deteriorate, remove the oil from the machine and allow settling in an empty drum or Hangsterfer's Decantation tank for 3-7 days. Fines and contaminants will settle to the bottom. After decanting, return the clean oil to the machine and leave the sludge behind for proper disposal. In order to get the maximum life from your oil, keep the sump free of cleaners, solvents, water, coolants and other contaminants that may inhibit performance.

*Cleaning:* All CC oils are formulated to minimize cleaning time. They are cleanable in both aqueous and solvent systems. For best results use a Hangsterfer's Ozonic series cleaner or recommended aqueous cleaner. Both style cleaners work best at removing CCs when heated to 140°F (60°C).

<b>PRODUCT CHARACTERISTICS: CC 22</b>	
Form	Liquid
Color	Golden
Odor	Mild
Specific Gravity	0.90
<b>Viscosity: SUS @ 100°F</b>	<b>106</b>
<b>cSt @ 40°C</b>	<b>22</b>
Flash Point, COC, °F/°C	349 / 176
Fire Point, COC, °F/°C	375 / 190
Pour Point, °F/°C	0 / -18
Solubility in Water	<0.01%
Boiling Point, °F/°C	430 / 221
Vapor Pressure, mm Hg @ 25°	<0.01
pH @ 10%	N/A

**Shipping Units:**

**CC 22 is available in 5 gallon, 55 gallon and Intermediate Bulk Containers (275 or 330 gallons).**

**All products are distributed worldwide.**

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