



CONSULTANT LUBRICANTS, INC.

"The Solution Is Science"[®]

University of Missouri Research Park
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Consultant Lubricants, Inc. has been developing custom lubricant formulations and manufacturing advanced metalworking fluids for over forty years.

2163-DPC Dual Purpose Cutting Oil

"The Solution Is Science"[®]



Top 4 Cutting Challenges... and the Solution! 2163-DPC

- 1) Anti Welding Properties** - Cutting Oils provide a very important interface when machining metal materials. As pressure increases and overcome the ability for oil to prevent metal-to-metal contact, select quality additives "activate" to prevent cold welding of material to the cutting tool.
- 2) Flushing Away Chips** - Cutting oils require a light/thin viscosity base oil to deliver the additives to "the work" while simultaneously flushing chips away from the workplace.
- 3) Cooling and Flow** - Fluids that are too thick or not adequately treated with additives will increase heat during the process and make it more difficult to keep dimensions of the finished part. Max flow is recommended in circulated systems to provide optimal cooling and reduce expansion/contraction.
- 4) Prevent Metal Staining** - Proper selection of cutting fluid is critical to maintaining compatibility with the material mix to be machined. CLI's products are treated with the proper chemistry for the appropriate metals mix. To prevent staining, do not use sulfurized cutting oils on aluminum, brass and copper alloys.

THE ADVENTURES OF GEORGE & RALPH

Ralph, have you seen the improvements in our tapping operations?

I'm more of a hip-hop dancer myself...

I'm referring to the excellent cutting, smooth finishes, and extended tool life.

George, people think I'm cutting edge, and I always have smooth finishes.

This Cutting Oil from CLI, allows us to get the best quality and run cooler!

George, did you ever see me run?

It's cool!



2163-DPC is a dual purpose cutting oil suitable for machining all types of metals. Treated with high lubricity synthetic polymers to provide exceptional tool life on ferrous and non-ferrous materials without staining. These products may also be utilized in the cutting machinery gear lube system. Leakage into cutting system is then compatible with the cutting oil. The more aggressive the machining requires higher quality cutting oil to maintain anti-weld properties under extreme

pressure and higher speeds and feeds. The color is light amber and has received excellent operator acceptance. A special anti-mist additive reduces misting to a minimum. CLI products treated with specific additives to transfer HEAT from the "built up edge" to the chip. Cooler machining means more accurate machining.

price per gallon			
\$14.75	\$13.75	\$11.75	\$11.75
1 GAL	5 GAL	55 GAL	275 GAL

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