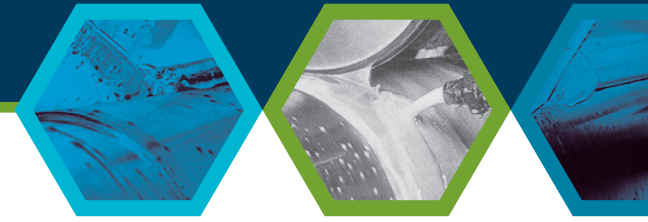


# LUBRICUT 4215

## METAL WORKING FLUID



### CUSTOMER: LARGE STEEL AND MINING COMPANY

#### PRODUCT

**Lubricut 4215** is a light duty, synthetic coolant formulated for general roll grinding operations on ferrous alloys only. Lubricut 4215 provides an optimum balance of cooling, detergency, corrosion protection, and work-piece visibility for turbulent roll grinding operations. Lubricut 4215 offers low foaming properties in most grinding operations. A special corrosion inhibitor blend offers excellent protection against corrosion and staining of grey iron, cast iron, and ferrous alloys and for freshly ground ferrous surfaces. Lubricut 4215 is stable in both hard and soft water. Lubricut 4215 comes packaged as a highly concentrated form.

#### BENEFITS

- True solution chemistry and low foaming properties assure clean, clear workpiece visibility
- Imperceptible thin film corrosion preventative provides excellent tack free in-process rust protection
- Exceptional hard water stability keeps windows clean and grinding wheels free from buildup
- Additive Independent: No need for tank side pH buffers, emulsifiers, or costly and hazardous biocide

#### PROCESS AND EQUIPMENT

Industry/Market	Mining
Product Type	Metal Working Fluid
Product Number	2667900000
Machinery Involved	Pomini, Herkules, Cincinnati
Description of Environment	Mill Roll OD Grinding
Volume Used	4,000 gallons per year
Date of Use	2013 to present
Documented Cost Savings	\$40,000 - \$50,000 per year, labor costs, grinder downtime

#### ▷ DESCRIPTION OF PROBLEM

Previous coolant was plugging the Flo-Pro and Flo-Con filter cloth. These filtration systems remove swarf from the roll grinding process. Massive amounts of coolant would discharge from the Flo-Pro and Flo-Con during the swarf dewatering process. This was due to the filter cloth being contaminated with oil and not allowing the coolant to pass through the filter cloth. Coolant would flood the grinder area and carry coolant into the swarf hopper.

#### ▷ SOLUTION

Recommended Lubricut 4215 as a replacement to the current product. Lubricut 4215 eliminated the filter cloth contamination issue allowing the filtration systems to operate properly. In addition, Lubricut 4215 removed residue on the grinder and coolant system build up from the previous product.

#### ▷ CUSTOMER TESTIMONIAL

Only routine scheduled maintenance activities are performed on the grinders since the change to Lubricut 4215.