



# *Proof of Performance*

## **Petrokleen 140 and Pensolv L945 Open Gear Cleaning Procedure**



## **Background Information**

**Industry: Copper Mining**

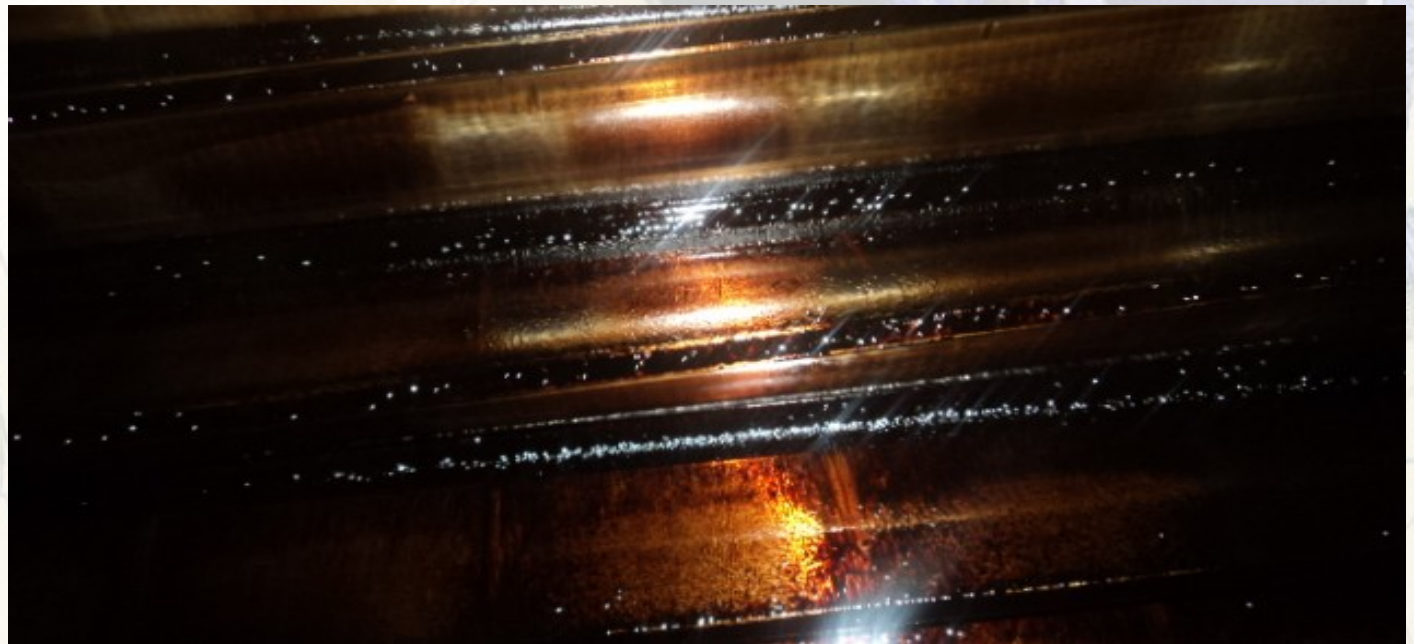
**Equipment: SAG Mill**

**Application: Open Gear Set**

**Product: Petron Petrokleen 140<sup>®</sup>**

### **Background**

**A large North American Copper Mine wanted to clean their open gear set of spent lubricant and contamination.**





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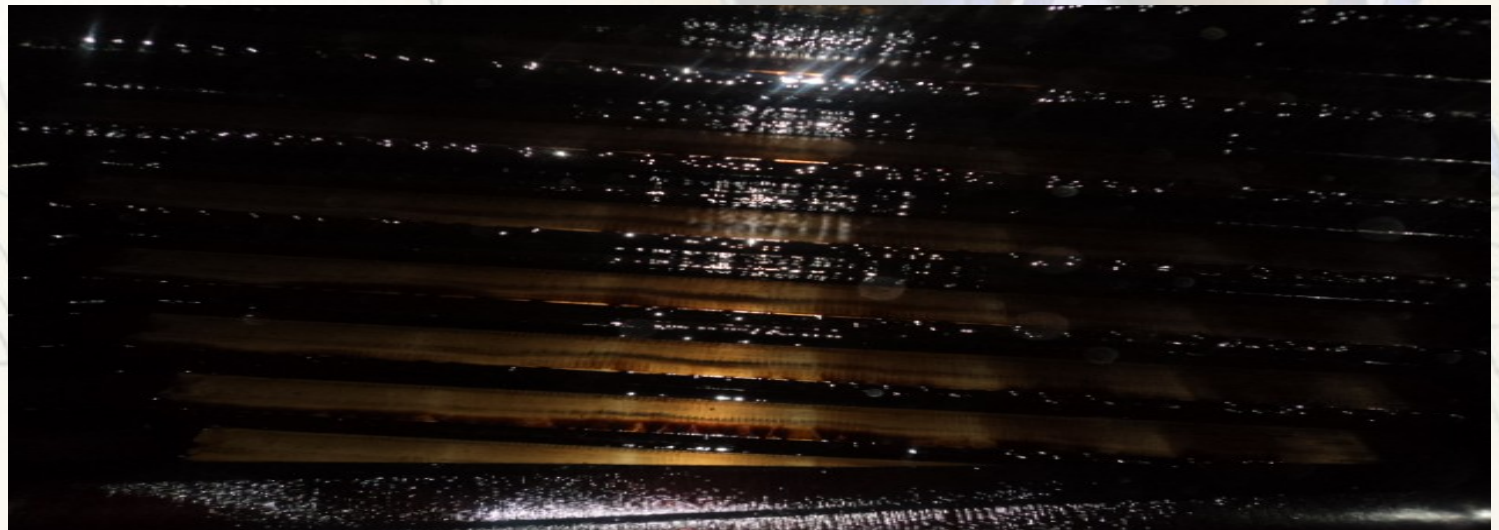
**Equipment: SAG Mill**

**Cleaning Procedure:**

**Application: Open Gear Set**

**Product: Petron Petrokleen 140<sup>®</sup>**

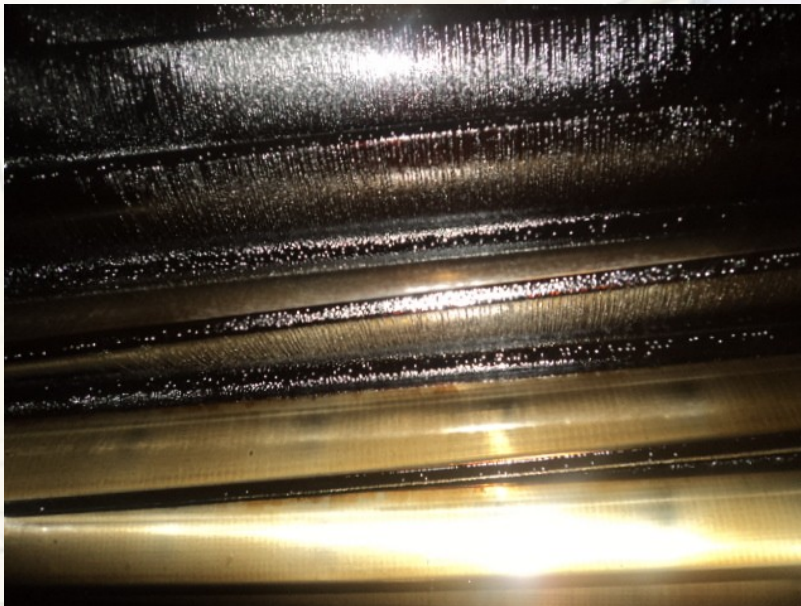
- 1) Gear Shield drum was replaced with Petrokleen 140 drum on auto lube system (Gear Shield was discontinued during cleaning process).
- 2) Petrokleen 140 was applied through auto lube system for 36 hours / First 24 hours at a cycle time of 5 minutes / Last 12 hours at a cycle time of 3 minutes.
- 3) Following Petrokleen application, Pensolv L945 was hand applied to gear teeth and wiped off with rags.



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**After Petrokleen Application 36 hours**



**After Petrokleen and Penslov L945**





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**Equipment: SAG Mill**

**Application: Open Gear Set**

**Product: Petron Petrokleen 140®**

### **Benefits of Petrokleen 140 cleaning process:**

- Petrokleen 140 applied through auto lube system while mill is running and under load.
- High levels of EP additives protect gearing during cleaning process.
- Cleans auto lube system during gear cleaning process, including lube lines, injectors, and spray heads.
- No loss of production during cleaning process.
- High flash point > 300° F.
- User friendly / no irritating odor.