



## Oil Safe Pump

**Soda Ash Producer – Green River, Wyo.  
Gearboxes**

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- Improved efficiency 1000%

### **Customer Profile**

This soda ash producer mines and refines soda ash. They have been in business for 30 years and have been an LE customer since 2005.

### **Application**

Various gearboxes are used to run conveyors to transport soda ash product within the refining plants.

### **Challenge**

Lube mechanics wanted a quicker and cleaner way to refill the gearboxes, especially in cold weather. They were having problems refilling the worm drives with an ISO 460 lubricant during 20°F (-7°C) ambient temperature conditions.

### **LE Solution & Results**

Mike Carter, LE lubrication consultant, stopped by the plant one day while the gearboxes were being refilled. Two mechanics had spent two hours refilling one gearbox using a jug and funnel, and they still had ten more gearboxes to fill that day. Mike donated his 5 liter Oil Safe drum and Oil Safe pump for them to try out. The mechanics came back in two hours having refilled all ten gearboxes using the Oil Safe Pump.

Using the jug and funnel:  
Mechanics make \$26 per hour.  
Two mechanics x 2 hours = \$104 per gearbox

Using the Oils Safe drum and pump:  
It took two mechanics two hours to fill ten gearboxes.  
That equals \$10.40 per box in labor costs. A 1000% improvement in efficiency.

The mechanics stated, "The Oil Safe pump is a great tool and a time saver!"

They purchased six more Oil Safe pumps as well as additional Oil Safe containers.

### **Other Products Used**

- Wirelife® Monolec® Penetrating Lubricant (2001)
- Pyroshield® Syn XHvy Open Gear Lubricant (9011)
- Tote-A-Lube oil storage systems
- Des-Case desiccant breathers

*Thank you to Mike Carter, LE lubrication consultant (pictured), for providing the information used in this report.*





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