



Pyroshield® Syn XHvy Open Gear Lubricant (9011)

Soda Ash Plant in Southwest Wyoming

Svedala Rod Mill 6x10

- **50% lubricant reduction**

Customer Profile

Since 1962 this soda ash plant has been among the world's leading producers of high quality soda ash.

Application

The plant uses a 150hp Svedala Rod Mill with a 13 ft diameter bull gear and pinion diameter of 19 inches. This piece of equipment crushes soda ash ore operating in temperatures from 60°F (16°C) to 95°F (35°C) and often in high humidity.

Challenge

They were experiencing pumpability problems, a high consumption rate and excessive lubricant waste.

LE Solution

Mill #6ML04 was converted in August 2005 to LE's Pyroshield® Syn XHvy Open Gear Lubricant (9011). This lubricant is a 100% synthetic, high viscosity base fluid designed for open gears operating in heavy-duty service. It is formulated with a unique combination of EP additives and Almasol®, LE's exclusive wear-reducing additive.

Results

The mill grease application is regulated using a Farval 4000 control unit with two spray nozzles. The customer



Svedala Rod Mill Gear lubricated with Pyroshield 9011

is now applying two cycles every 20 minutes versus two cycles every 10 minutes with their previous lubricant. This 50% reduction has resulted in an estimated savings of \$1,889.60 per year.

The customer is very pleased with the appearance of gears, lack of wear, consistent temperature profile, reduction of waste, and LE's Support.

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





Pyroshield® is a registered trademark of Lubrication Engineers, Inc.

Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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