



FIELD STUDY: IMPROVED DURABILITY, AND LESS GREASE CONSUMPTION WITH RYKON®

AGGREGATE CRUSHERS BEAT THE HEAT



EQUIPMENT

Large Wheel Loader

LOCATION

Jackson Valley aggregate quarry in Lone, CA

TEST PERIOD

March 1 – September 14, 2022

DURATION

6 Months (1200 hours)

AUTO-LUBE DISPENSING CYCLES

High: 12cc/min every 15 minutes
Medium: 12cc/min every 20 minutes
Low: 12cc/min every 30 minutes

FIRING ON ALL CYLINDERS!

In the Jackson Valley Quarry, where ambient temperatures reach over 115°F during the summer, downtime is not an option. Owned and operated by George Reed Inc. in Lone, California, aggregate loads weighing as much as 12 tons are loaded onto dump trucks, non-stop for up to 10 hours a day.

Extreme conditions such as these present the perfectly unforgiving testing grounds for our new Calcium Sulfonate Complex Grease: **Rykon HD 2 M5**.

EVERY SECOND COUNTS

The large wheel loader is equipped with a “4-Liter Twin-3 CAN-bus” grease pump lubricating all main components, including the critical bucket pin/bushing. Although this auto-lube system features three dispensing cycles, the site has historically kept the duty cycle at medium level.

RYKON IS ALWAYS ON

After purging the existing grease and refilling with **Rykon HD 2 M5**, the greasing cycle was set to high and maintained for 112 days, to assure sufficient lubrication. As ambient temperatures began to rise into the 85°F - 90°F range, the site mechanic adjusted the greasing cycle to medium for a period of 21 days, to observe its performance.

After seeing positive results, the greasing cycle was set to low for the duration of testing. As ambient temperatures rose to a staggering 117°F, the operator reported that **Rykon HD 2 M5 held together in extreme conditions and high temperatures without leaking or bleeding from pins and bushings**. After a visual inspection these components remained well within spec.

THROUGH THICK AND THIN

Rykon HD 2 M5 has excellent pumpability at a wide range of temperatures. The grease maintained its consistency in temperatures above 100°F, and met the requirements of the Lincoln Ventmeter test to be used in an auto-lube system at 75°F. Operating the auto-lube dispenser on the lowest setting resulted in a 30% reduction in grease consumption compared to competition. In addition, the wear scar diameter test shows that Rykon offers 20% better wear protection than industry standards.



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Contact the **CHEVRON LUBETEK** team for technical and grease product questions.

1-800-822-5823

