



Production Tonnage Increased 111% using Si-Tec® Technology

Kolberg Pioneer - 4500
0059311HS Si-Tec® Ceramic Anvils

Utah

*“Throughput”
increased from
97 tons per hour
to 205 tons per
hour”*

Baseline:

- 43", 5 shoe table running at 1190 RPM
- Standard high chrome anvil ring
- Crushing produced high number of fines
- Recirculation rate of 40%

Objective:

- Increase production per set of anvils
- Decrease recirculation rate
- Decrease production costs per ton

Results:

- Throughput increased from 97 tons per hour to 205 tons per hour (111% improvement)
- Recirculation rate decreased to 20% (50% improvement)

Value Delivered:

- Table speed reduced to 1040 RPM, reducing wear cost and machine maintainance
- Anvil ring change out improvement results in increased machine up time and improved safety

Wear Part Solutions for the
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