

The Issue

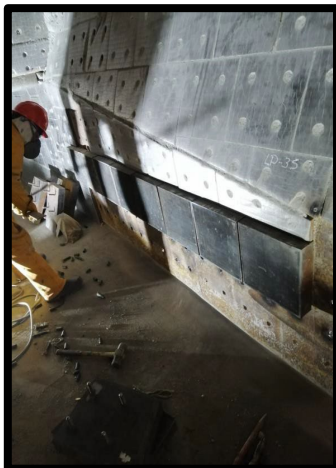
A Peruvian operation sought to enhance the longevity of their Primary Crushing Belt Feeder lining system composed of high Brinell bimetallic liners. The frequent replacement every six months was cumbersome, and the liners caused damage to the belt.



The Solution

Valley Rubber developed a trial installation for a Rubber-Ceramic liner system in the lower section of the Belt Feeder walls, targeting the area with the highest wear rates. The objective was to:

- Enhance Belt Feeder availability and cargo transportation capacity.
- Eliminate unplanned maintenance shutdowns.
- Mitigate risk exposure for maintenance personnel.
- Increase availability, reliability, process continuity, and reduce cost per ton.
- Shift focus to production increases, minimizing attention on system failures.
- Prevent Belt damage.



Installation Photos



After two months of operation, an inspection found the Rubber-Ceramic Liners to be in excellent condition, and they were expected to exceed the life-time offered. Following two months of operation, an inspection showed the Rubber-Ceramic Liners to be in excellent condition, and they were anticipated to surpass the agreed-upon lifetime. **After 17 months of operation**, an inspection confirmed the liner's sustained outstanding condition, surpassing the initially outlined 12-month lifetime.



Left: Liners after two months; Right- Liners after 17 month and still in excellent condition.

The successful trial prompted the operation to order a second set of Rubber-Ceramic Liners specifically for the Belt Feeder walls that endure the most significant wear. GRT/Valley Rubber remains dedicated to **sustaining** and **enhancing** the achieved results.

How can we help your operation? Click [here](#).