

# Liners SB60 – Polywear RC in Cusco, Peru

<b>Location</b>	Cusco, Peru
<b>Platform</b>	Composite mill liners
<b>Conditions</b>	Polymetallic
<b>Solution</b>	Polywear RC

## Situation

The customer previously used rubber liners that only lasted approximately four months, which led to a higher amount of plant shutdowns in the year just for the replacement of the rubber liners.

## Solution

The Bradken Lima team proposed a new design which supported extending the life of the liners. Our innovative design proposal consisted of sectioning three pieces with ceramic rubber and incorporating a lifter bar in the most critical area of the liners.

This recreates a dead bed area of material resulting in prolonging the life of the Liners. This design also includes 500 HB rolled steel in strategic areas to avoid tearing or shattering of the ceramics, due to the high impact of the mineral rocks, keeping them in position until the end of their useful life.

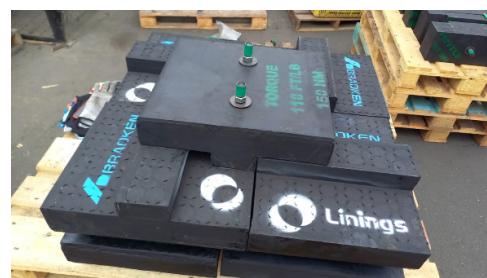
For this project, 38mm high ceramic pads were used. These are overlapped in the direction of flow, thus avoiding wear lines that shorten the life of the liners. Finally, the configuration of the ceramic inserts has been created and is in the process of being patented by Linings.

## Results

The service life was increased to approximately 11 months; also, due to the increased lifetime of the ceramic tiles, the number of plant shutdowns to change ceramic tiles has been reduced.

### Results Overview

- The service life was increased to 11 months
- The amount of plant shutdowns to change ceramic tiles has been reduced.



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