

SUCCESS STORY

Maintenance Issues with Sprockets on a Stone Elevator

\$1,600

IN COST SAVINGS



PROBLEM

An emerging global supplier for lime and limestone products had maintenance issues with sprockets on its stone elevator 200 feet above the ground.

The customer previously used a competitor's cast, chilled rim 132C10 segmented sprocket. Maintenance was always an issue due to the location of the sprocket. When the segmented sprocket was inspected and replaced, bolts had to be loosened to dismantle which led to an uneven tightening of the sprocket bolts and irregular wear patterns on the cast sprocket teeth.



SOLUTION

On the Tsubaki Technical Solutions Team's recommendation, the customer decided to switch to Tsubaki's steel boot sprocket with wear indicators, which provide a visual indication that a sprocket is still within the allowable wear tolerance and when replacement is required.

As a result, the customer managed to save on maintenance hours and sprocket inspection was made easier thanks to the wear indicator technology. Also, visual inspection was all that was needed. No sprocket disassembly was required.

While Tsubaki's sprocket cost 50% more than the competitor's, its installation increased life span by 140%, saving the customer \$1,600 and counting.