

SUCCESS STORY

Stone Elevator Sprocket with Wear Indicator

\$1,600

IN COST SAVINGS



PROBLEM

An emerging global supplier for lime and limestone products had maintenance issues with the sprockets on their stone elevator, 200 feet above ground. The customer was previously using a competitor's cast, chilled rim 132C10 segmented sprocket. Maintenance was always an issue due to the location of the sprocket. Furthermore, when they had to inspect and replace the segmented sprocket, bolts had to be loosened to dismantle. This led to uneven tightening of the sprocket bolts and uneven wear patterns on the cast sprocket teeth.



SOLUTION

As recommended by the **Tsubaki Technical Solutions Team**, the customer decided to switch to Tsubaki's steel boot sprocket with **Smart Tooth® wear indicator** for their application. Wear indicators provide visual evidence that a sprocket is still within the allowable wear tolerance, and when replacement is required. Tsubaki's **Smart Tooth technology** suited this application perfectly – the customer managed to save on maintenance time and develop a better sprocket inspection process. Now, visual inspection is the only thing needed – no sprocket disassembly required.

In terms of price, Tsubaki's sprocket was 50% more than the competitor's sprocket. However, the life span increased by 140%, saving the customer \$1,600 and counting.