

Success Story

ASH CRUSHER MACHINE (MINING)

POWERTWIST®

Problem

- Rubber wedge belts failed twice a month, causing expensive machine downtime
- Belt installation required three workers, two hours to weld and dismantle drive components
- Bearings had to be changed at least once per month, due to failure from drive vibration

Solution

- SuperLink Wedge Belts last 36 times longer than rubber V-belts in this application's harsh conditions
- Belts are easily made up to the required length in seconds. No need to move or dismantle any drive component
- Link belt design drastically decreases drive vibration, resulting in increased bearing life



Calculated Cost Savings

Rubber Wedge Belts		SuperLink Wedge Belting	
18 Month Cost		18 Month Cost	
6 belts required (twice each month)	\$12,660	60 meters required (over 18 months)	\$2,425
Cost of bearings (\$384/month)	\$6,911	Cost of bearings	-
Cost of Labor (\$35/hour x 3 people x 4 hours)	\$7,638	Cost of Labor (\$35/ hour x 2 people x .5 hour)	\$35
Total expenses for 18 months	\$27,209	Total expenses for 18 months	\$2,460
18 Month Savings:		\$24,749	

Annual Cost Savings

\$ 24,749

- **81% reduction in belt costs**
- **36x increased belt life**
- **Decreased drive vibration**

