



## Industry: Mining

- A mining company experienced contamination due to buildup on Bearings.
- *Martin* delivered a Made-to-Order Pulley to reduce buildup.

**Documented Cost Savings - \$75,000**



### Product

*Martin* manufactures Heavy-Duty Conveyor Pulleys offering maximum protection against premature wear in harsh environments. Our product line is available as stock or made-to-order with exceptional delivery times.

*Martin* provides pulleys for a wide variety of applications. Some special Pulleys include Dead Shaft Pulleys, Roller Bearing insert Pulleys, Elevator Pulleys, and Stainless Steel Pulleys.

### Common Applications

Aggregate and Cement, Mining, Pulp and Paper, Lumber and Forestry.

### Challenge

- A mining company faced issues with contamination due to the buildup of iron ore on a Pulley Assembly, especially at the Bearings.
- The Pillow Block style of bearing lacked the appropriate seal to effectively prevent contamination, which lead to frequent failures, expensive downtime and replacement costs.

### Solution

- *Martin* delivered a drop-in replacement Dead Shaft Pulley that significantly reduced the Bearing exposure to contaminants.
- The drop-in solution featured pedestals custom built to match the bolt centers of the current Pillow Block Bearings for a seamless replacement that

required no change to the existing structure.

### Impact

- *Martin's* Dead Shaft Pulley significantly reduced the company's downtime and recurring replacement costs. The total calculated savings for the iron ore mining company totaled at \$75,000.



### Bottom-Line Results

#### Downtime Avoidance

(Reduced Downtime = \$75,000)

#### Documented Cost Savings

**\$75,000**

Learn more about *Martin* and Heavy Duty Conveyor Pulleys at:

[www.martinsprocket.com](http://www.martinsprocket.com) - 817.258.3000