



Industry: Aggregate and Cement

- A major national aggregate company was experiencing frequent idler failure and wanted to come up with a better solution.
- *Martin* was able to provide an improved idler product, and save the company money by reducing downtime and longer life of the idlers.

Documented Cost Saving: over \$12,000



Product

Martin manufactures Heavy-Duty Conveyor Pulleys, Idlers & Impact Beds 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, idlers & impact beds for a wide variety of applications.

Common Applications

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

Challenge

- An aggregate company was experiencing frequent idler failure due to constant water and material contamination.
- Their dredge conveyor was using a previous idler manufacturer whose idlers were only lasting about 12 months, and requiring 10 hours of downtime for idler replacement. .

Solution

- *Martin* replaced the aggregate company's idlers from our vast inventory of stock around the country.
- *Martin's* Idlers have a Triple Labyrinth Seal design that offers exclusive bearing protection including an external shield that deters impurities from entering the bearing housing, a flinger design that removes contaminants away from the bearing housing by centrifugal force, a grease filled seal that offers an additional level of protection from contaminants and water ingress impacting the bearing, and lastly a contact lip seal that adds another level of protection.
- *Martin* Idlers also are able to prevent additional belt wear from failed, non-rolling idler cans contacting the belt.

Impact

- *Martin's* Idlers were able to last about 4-6 months longer than the previous idler manufacturer this company was using before, increasing life by over 40%.
- Therefore, *Martin's* idlers allowed the customer to decrease their downtime for idler replacement from 10 hours to 6 hours with this product solution



Bottom-Line Results

Downtime Avoidance

(\$3,000 Downtime Cost per Hour × 4.00 Potential Downtime Hours)

**Downtime Cost Saving
over \$12,000**

Learn more about *Martin* and Power Transmission & Material Handling solutions at:
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