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Pumps & Systems Magazine

Subject: Pump Success Story

To Whom It May Concern:

The following is a summary of a pump success story we wish to submit.

A steel mill customer was having a large maintenance problem with rubber-lined slurry pumps. Due to the abrasive nature of the sludge, the stuffing box sleeve and braided packing wore out very quickly. Another issue was that some large solids would travel through the pumps and tear the rubber liner on the casing and impeller. If flow through the pumps was interrupted, the pumps would heat up and seize. The four pumps in service were requiring some type of maintenance or rebuild a couple times per month.

After evaluating the system, we provided a new, high chrome cast GPM Eliminator pump that has a double mechanical seal with its own barrier fluid. The GPM Eliminator can run dry for extended periods of time. The pumps have been installed since 2004 and have been very reliable in service. The plant has realized a documented savings of $158,000 per year in reduced maintenance cost, not including plant improved reliability.

Sincerely,

Ted Corbeill

Ted Corbeill,
Sales Engineer

Corrosion Fluid Products Corp.
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Corrosion Fluid Products Reduces Maintenance Costs for a Steel Mill Blast Furnace

SUCCESS STORY of the YEAR
PUMPS & SYSTEMS
2009 FINALIST

Ted Corbeill and Tom Strempka of Corrosion Fluid Products Corp. working on the new pump impeller.

A steel mill was experiencing maintenance problems with its four rubber-lined slurry pumps. The abrasiveness of the sludge would quickly wear out each pump's stuffing box sleeve and braided packing, and large solids would tear the rubber liner on the casing and impeller. Any flow interruption would cause the pumps to heat up and seize. The pumps required maintenance or rebuilding a couple times each month.

As replacement for the rubber-lined slurry pumps, Corrosion Fluid Products Corp. produced a high chrome cast pump that has a double mechanical seal with its own barrier fluid. The pump can run dry for extended periods of time and was made to combat the abrasive sludge and large solids destroying the steel mill's existing pumps.

The new pumps have been in place since 2004 and have yielded maintenance cost savings of $158,000 per year.

Individual Involved in the Program: Ted Corbeill, Corrosion Fluid Products Corp. Nominated By: Eric McCahill, Corrosion Fluid Products Corp.

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