

YOUR LETTERHEAD

A look at the benefits of using an Independent Sealing Distributor.

CASE STUDY NO. 167

The Problem:

A North American steel mill used four packed Worthington model 1200 psi discharge pressure centrifugal pumps that had an average service life of 9 months. The average costs of repairs were \$50,000 each. A mill engineer attributed the short service life to the packing leakage contaminating the bearing oil which in turn caused bearing failure.

The Solution:

The mill contacted an independent sealing distributor and requested a recommendation and quote on mechanical seals to stop the leakage. The distributor investigated the application and determined that, due to significant operational demands, the flow and discharge pressure varied significantly. He presented his findings to mill management and recommended a change in piping and the installation of a split mechanical seal.

The Result:

After the changes were made, the average time between repairs increased from the 9 months to over 3 years. This reduced the number of repairs from 16 to 4 in the first 3 year period, and reduced the repair costs from \$800,000 to \$200,000.

The change from packing to mechanical seals also reduced fluid loss costs significantly.

In the end, the expertise and personal service of a fluid sealing specialist can save you thousands of dollars. To find out how we can help your operation reduce seal failures, downtime, and profit loss, give us a call.