Sealing for a Safer and Greener Tomorrow

TEADIT® 2002 Paper Refiner Solution
CASE HISTORY

Industry:
Pulp & Paper

Application:
N/A

Equipment:
Paper Refiner

SCENARIO

A paper mill was utilizing a commercial grade, general purpose fiber compression packing material on a refiner shaft resulting in a high rate of flush water consumption and a short life expectancy on the seal.

SOLUTION

Teadit support personnel, working closely with the customer, analyzed the application and determined that our style 2002 packing would offer better performance. Style 2002 packing utilizes an interlock braided, pure carbon yarn, impregnated with proprietary lubricants and graphite particles which serves to fill voids, block leakage, and break-in the packing at start-up. Compared to their previous packing, the style 2002 boasted significant improvements in terms of friction coefficient and wearability.

CUSTOMER GAINS

The reduction in friction and the improved carbon fiber packing's ability to dissipate heat more quickly resulted in a drastic reduction in flush water consumption by over 317 gallons per hour (an 89% reduction) and increased the runtime by a minimum of 2 months (a 33% increase). The savings on water usage and maintenance resulted in a 62% reduction in operating costs in just the first year alone, with untold savings in downtime and loss of production.