

Challenge

Issue

Every 12 months a horizontal split case fan pump required a replacement or repaired shaft and a repacking due to high leakage from the use of an aramid packing in a paper stock slurry application.

Root Cause

Paper stock (slurry) reduced the packing life, and the aramid fibre material packing caused the shaft to wear excessively.

Goal

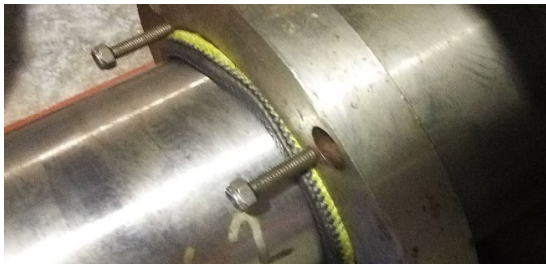
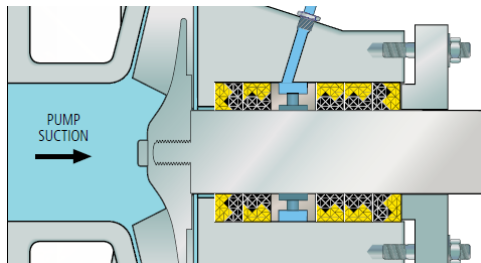
Extend MTBR (Mean Time Between Failure) to over 12 months.



Rotating element of the fan pump

Solution

- Installed 10 mm c/s **Chesterton DualPac® 2211** packing in the following ring orientation below.



DualPac® 2211 installation (1st End Ring)

Results

Client Reported

- MTBR extended to over 36 months and continues in service.
- Savings realized due to production downtime, maintenance time & replacement / repair shaft cost over the first three years alone were significant.



Rotating element ready for installation



Chesterton DualPac® 2211 is an innovative packing technology for longer life in severe slurry applications

DualPac®
Technology

About

Chesterton® is a world leader in helping process industry companies and manufacturers improve the reliability and efficiency of their rotating, stationary, and fluid power equipment platforms. We are known across a wide range of industries for our award-winning pump and valve sealing solutions, applications expertise, equipment maintenance and wear-prevention products, and knowledgeable hands-on local service.

Mentioned in the case study:

SJP Sealing Technology (S) Pte Ltd

Exclusive Distributor of Chesterton products

Locations: Singapore and Malaysia

Training

Continual development of personnel is one way of attracting and retaining a capable workforce, and it is an area which receives a great deal of attention from Chesterton.

We regard training as a value adding product which delivers tangible benefits, both short and long term. Appropriate training ensures the correct use of equipment which will deliver longer life for the lowest overall total cost of ownership, and a rapid return on your training investment.

Contact us to know about our latest training schedule.

Channel Partners

In addition to its direct sales and service efforts, Chesterton has a large, established network of more than 500 authorized, independent, company-owned distributors in over 113 countries. These distributors have extensive experience in the industries we serve and provide exceptional local service and applications consulting using only genuine Chesterton products and parts. All Chesterton distributors receive extensive and on-going training in:

- Pump and mechanical sealing systems
- Valve stem and flange sealing
- Fluid power sealing and efficiency
- Industrial coating selection and surface preparation
- Industrial lubrication for plant maintenance and reliability

Chesterton distributors are backed by our own field teams and sales/support staffs as well as engineering applications and engineering teams to ensure the best customer experience possible.