



ENVIRONMENTAL TECHNOLOGY

CDPN™ seal the right fit for faulty slurry pump

The installation of an AESSEAL® 80mm CDPN™ double mechanical seal and a FLOWTRUE® water unit was the answer to a persistent problem for a paper manufacturer in South Africa.

The problem arose because pulp was fouling the expeller veins on a slurry pump. The competitor's dynamic seal proved to be ineffective once the veins were blocked and was failing every two to three months, causing significant downtime while repairs were carried out.

AESSEAL's solution was to change the pump's backplate and impeller and install a CDPN™ double mechanical seal and a FLOWTRUE® adjustable flow meter.

The AESSEAL® CDPN™ range of cartridge mechanical seals is designed as a high-performance sealing solution for general applications, and represents the best value-for-money sealing solution available on the market.

The FLOWTRUE® is a robust and adjustable flow meter that controls the amount of water flowing to the mechanical seal for cooling purposes. Its large internal clearances make it very unlikely to clog. Three models are available which enables the product to be used on single seals and double mechanical seals.

The seal and flow meter were installed in October 2023, and is still working effectively, more than one year later, reducing repair and maintenance costs and allowing the production process to continue uninterrupted.



'Reliability increase from <3 weeks to >1 year'

Industry:	Pulp & Paper
Product:	CDPN™ and FLOWTRUE®
Application:	STR73002 HD Storage
MTBF Increase:	333% (and counting)
Reference N.O:	TD3105296



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