



FIDC™ ends costly leaks at US firm

The installation of an FIDC™ seal to replace single seals with no flush or API Plan has dramatically improved pump reliability at a pulp and paper company in New England.

The company was dealing with frequent single seal failures, dry running, and expensive loss of product. Product leakage was contaminating the area, raising concerns over worker safety and damage to the environment. The leaks were also hard to clean up, with the result that the plant often presented a dirty and polluted appearance.

The FIDC™ (flow-induced dual cartridge) seal is a high-performance seal offering increased barrier fluid flow for improved reliability. It features hydraulically-balanced seal faces and efficient seal face cooling for improved reliability.

The new seal was installed in April 2024, and after 8 months, has already exceeded the previous MTBF, which was a maximum of four months, and sometimes as little as a week.

The effect has been to eliminate product loss, and to make the working area safer and cleaner.

Savings for the company are expected to be more than US\$20,000 a year per pump on the cost of seals alone. The new system will also save water, as well as reducing labour costs and downtime. The company has 12 pumps in total, and following the success of the initial installation, AESSEAL® engineers are currently working to fit the FIDC™ seal to the other pumps at the site.



‘Saving more than \$20,000 a year per pump’

Industry:	Pulp & Paper
Product:	FIDC™
Application:	Standard Bore Pumps
MTBF Increase:	>100% (and counting)
Savings:	\$20,000 each year per pump
Reference N.O:	TD3112071

