



AESSEAL® product aids major cuts to water usage

The French company Norpaper Nantes was having issues with the seal of its mixer's drain pump, which was not working properly and typically needed replacement after only three months, resulting in significant labour costs and lost production. The cause of the problem was the presence of particles in the plant water supply, and a lack of consistency in water pressure.

A pulp concentration of three per cent means that the faces of the mechanical seal need constant lubrication. One of the company's aims is protection of the environment, and it was keen to reduce the level of water consumption, which was running at around five litres a minute.

AESSEAL® recommended the installation of its 50mm FIDC™ 316L TC/TC/TC/C Aflas, which was installed in October 2019. An AESSEAL® stainless steel filter was added to ensure good water quality, free of particles. The result to date has been a saving of 2.6 million litres of water a year.

In collaboration with AESSEAL®, the company is now working to replace its existing systems with double mechanical seals and an SW2™ water management system. This will make their equipment more reliable and contribute to further reductions in water usage, with an estimated saving of 1.23 litres per second for 19 pumps.

A senior Norpaper manager said that the company was very pleased with the result of its investment.

'We wanted to use the opportunity to give good feedback,' he said, 'and to encourage other companies to work with AESSEAL® to make their systems more efficient.'

'Saving 2.6 million litres of water each year'

Industry:	Pulp & Paper
Product:	FIDC™ & SW2™
Application:	Mixer Drain Pump
Savings:	2.6 Million Litres/year
Reference N.O:	CS0149

