



ENVIRONMENTAL TECHNOLOGY

## **AESSEAL® solves reliability problems for paper company**

Persistent leaks from gland packing were causing constant interruptions to the production process at a paper company in south-eastern France. The failure of the packing every few weeks was resulting in damage to the shaft of the pump and causing product to leak into the work area.

AESSEAL® recommended the replacement of the gland packing with its FIDC™ (flow-induced dual cartridge) seal and LabTecta® bearing protectors. The FIDC™ bi-metal alloy seal, which offers increased barrier fluid flow for improved reliability, has prevented further shaft leaks. Its cartridge design makes it easy to install, while its flow inducer with 'heat removal' flow path helps to optimize face cooling. Replacing the sealing rings with the LabTecta® bearing protectors has prevented the contamination of the bearings.

AESSEAL® also supplied its EasyClean™ seal support system. The EasyClean™ vessel is part of the water and oil API plan 53a barrier fluid management systems. It is specifically designed for environments which require a higher level of hygiene and is easily disassembled for inspection and cleaning, with a removable clamp on the bottom section of the vessel so that the internal cavity can be checked for deposits.

The new system was installed in 2023, and is still operating problem-free more than one year later, preventing leaks and damage to the pump shaft, and interruptions to the production process.



**'Reliability increased from <2 months to >1 year'**

Industry:	Pulp & Paper
Product:	FIDC, LabTecta®OP and EasyClean™
Application:	Refiner
MTBF Increase:	500% (and counting)
Reference N.O:	TD3111339



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