

# 3+ Years MTBF in a Horizontal Pulper with the SpiralTrac™ Adaptor and 442 Split Seal



Pulp & Paper | Paper Stock | Mechanical Seal

## Application Info & Challenge

- **Valmet S-0338 Horizontal Pulper:** 100 mm shaft, 230 mm bore
- **Product:** Paper stock, ambient temperature



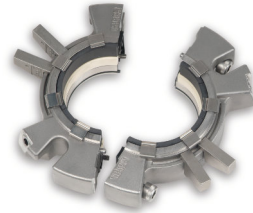
*Excessive product leakage at the gland*

The stuffing box was originally designed for packing and was upgraded to a competitor single non-split seal. Even as the pulper started to leak, the customer accepted the leakage, because of the required repair time and activity, which could cause **12-20 hours of lost production**.

The removal of the seal (as it was strongly clogged on the shaft) required flame heat to remove from the shaft (safety issues).

## Solution & Result

- **SpiralTrac™ Seal Adaptor AFN8129R(316)**
- Chesterton 442 Split Seal (RSC/RSC-EP configuration)



*Chesterton 442 Split Mechanical Seal*

The SpiralTrac technology removes paper stock from around the seal face area, thereby extending the seal life. With the 442 Split Seal installation, future repairs do not require the equipment disassembly, which results in faster maintenance. Now it only takes one hour to change out the seal. **Flush water was reduced by 80 - 90%!** No more paper stock leakage, resulting a cleaner and safer environment.

First installation of this solution lasted over 3 years, savings the customer **11,000 € per year!**



*SpiralTrac Adaptor installed with green SpiralTrac tag*



*SpiralTrac Adaptor AFN8129R(316)*



*Chesterton Solution Installed*

If this Application Highlight has piqued your interest and would like to know more, our technical support team can always be reached at [support@enviroseal.ca](mailto:support@enviroseal.ca). We hope to hear from you!



2456 Rocky Lake Drive • Waverley • Nova Scotia • CANADA • B2R 1R6

Tel: (902) 861-3464 • [info@enviroseal.ca](mailto:info@enviroseal.ca) • [enviroseal.ca](http://enviroseal.ca)

© 2021 EnviroSeal Engineering Products Ltd.

SpiralTrac is a trademark of EnviroSeal Engineering Products Ltd. • SS0010

