

# 4% Paper Stock, 2+ Years Running, NO FLUSH

Pulp and Paper | Paper Stock | Mechanical Seal



## Application Info & Challenge

- **SULZER APP54** Process Pump, 1500 RPM
- Product: Paper stock, 4% max. solids, 20 °C temperature

Previous sealing solution of a Hydrodynamic Seal only lasts about 6 months. Excessive product leakage, massive housekeeping issues.

## Solution & Result

- Chesterton 170 SSC/SSC Slurry Single Cassette Seal
- **SpiralTrac™ Version D Type A**, part#  
DM09000RA12200(316)17-0391, made of 316 stainless steel

The Version D SpiralTrac has a unique double spiral design specifically engineered for fibrous environments. The enhanced axial flow generated by the double spiral helps remove non settling fibrous solids out of the seal cavity, keeping the seal area clean, and the seal faces cool and lubricated.

As of writing, **the application has been running successfully for over 2 years**. That is already 4 times longer than the previous MTBF! Customer is converting similar applications to the same Chesterton solution.



Excessive product leakage with original hydrodynamic seal



Zero leakage two years after installation of 170 Seal and SpiralTrac



SpiralTrac pressed in at the bottom of seal cavity during installation



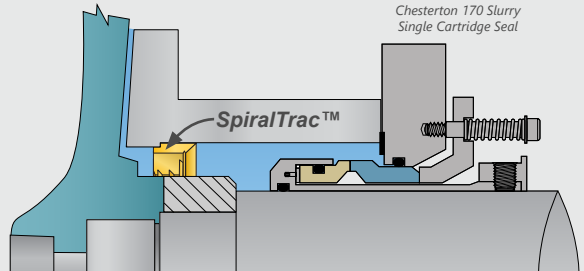
Chesterton 170 Seal being installed to pump housing



Chesterton 170 Slurry Single Cartridge Seal



Version D SpiralTrac 316 material



For more information please send an email to us at [support@enviroseal.ca](mailto:support@enviroseal.ca). We hope to hear from you!



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