

The Complete Sealing Solution with Chesterton APPS, SpiralTrac & Chesterton Connect



Pulp & Paper | Reject Paperstock | Mechanical Seal

Application Info & Challenge

- **Equipment:** Sulzer Ahlstrom APP 3 reject paper chest Pump
- **Product:** Reject paperstock, 35-45 °C
- **Shaft size:** 50 mm
- **RPM:** 1500

Customer was using Dynamic Seal on their various sized APP pumps. Management was looking for ways to reduce operating cost in the plant, and though the equipment was not a major source of maintenance headaches, there was an opportunity to reduce energy consumption by converting them to mechanical seals. For the pilot project, an APP bearing frame 3 reject paper chest pump was selected. These pumps are start-stop, depending on chest level.



Sulzer Ahlstrom APP Pumps

Solution & Result

- Chesterton APPS 50mm SA SSC/SSC/EP Single Cartridge seal
- **SpiralTrac Version D Type I** made of carbon-graphite (ESC) material
- Chesterton Connect™ Monitoring System

After a successful installation late 2023, the pilot application has been running problem free.

A 36 month predicted ROI calculation was made by the Chesterton specialist, revealing significant savings potential as a direct result of lowered energy demands. So far customer is very satisfied with the outcome.



Chesterton Solution installed with Chesterton Connect Monitoring



SpiralTrac Version D Type I installed



Type I SpiralTrac, ESC material

For more information please send an email to us at support@enviroseal.ca. We hope to hear from you!



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