

Packing to Seal Conversion with Chesterton 150 Seal and SpiralTrac™

Steel Manufacturing | Slag | Mechanical Seal

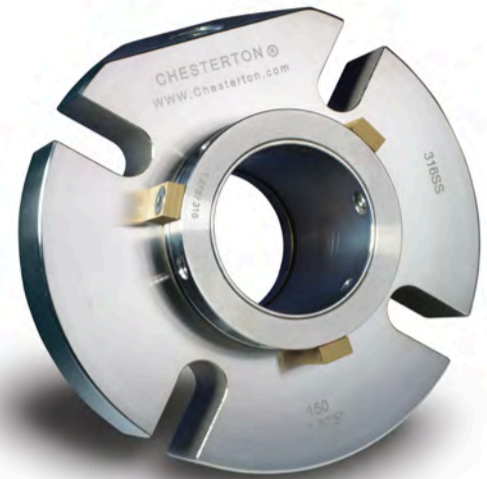


No Flush

Application Info & Challenge

- **Equipment:** LDP-X 250-400HP centrifugal pump
- **Product:** Dirty water / slag
- **Temperature:** 30°C
- **Solids:** lots of calamine

Pump was previously packed. Customer was having issues with excessive uncontrollable leakage. Pump had to be repacked every 3 months, resulting in high operating and maintenance costs. Customer was hoping to reduce high flush volume and associated costs as well (≈€4.000 / year).



Chesterton 150 single cartridge seal

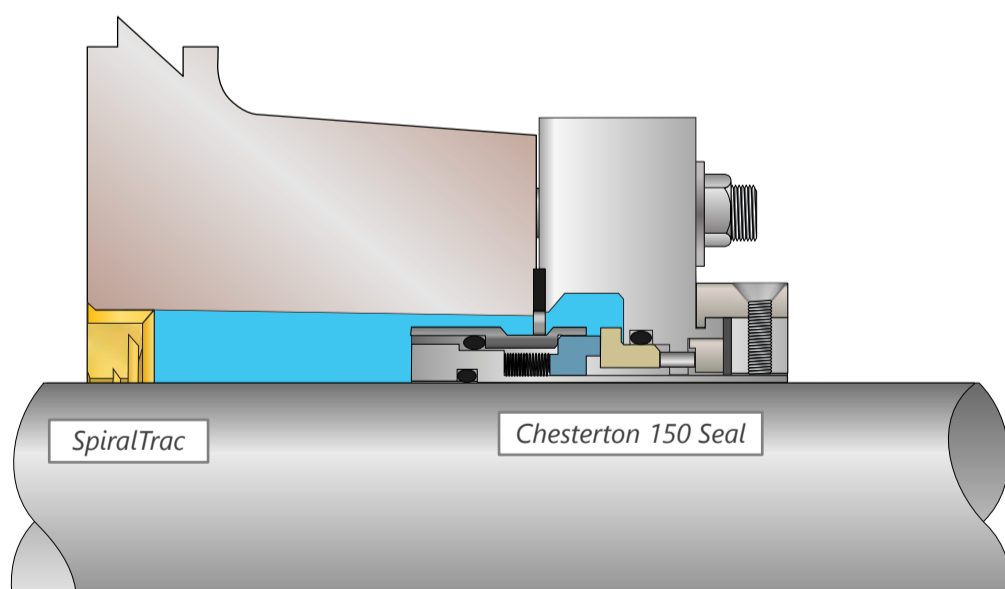
Solution & Result

- Chesterton 150 CB/SSC EP 65MM single cartridge mechanical seal
- **SpiralTrac Version N Type I** made of 17-4PH stainless steel, part # NM06500RI08950(174)

After this solution has been installed, the improvements were instant and obvious. The calculated **ROI** on this application was **less than 4 months!** A major part of savings came from reduced energy costs as the pump was using significantly less power to run efficiently. Using no flush also massively attributed to the savings.

Customer was very satisfied with this solution, it has been implemented a total of 4 times on 4 similar applications.

After **4 years of successful continuous operation**, setup eventually failed as a result of bearings failure.



SpiralTrac Version N Type I

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

