

Application Success Story:

Industry: **Corn Processing**

Product: **Tank Bottoms**

Sealing Solution: **Mechanical Seal**



• Application Info

- Lightnin Ceramic lined pump
- RPM: 1750
- Tank Bottoms (Carbon, Diatomaceous Earth, Corn Syrup, water)
- Solids : 8-15%
- Temp: 70 - 90°F / 21 - 32°C
- Shaft size: 1.875" / 47.63 mm



• Problem

- Previously the seal was lasting only six months
- The failure was mainly due to erosion of the stuffing box to seal mounting surface
- Approximate cost of repairs \$4425.00 per failure

• Solution

- SpiralTrac Part# NI1875RI2750 (416) Stainless Steel was installed along with a Chesterton 155 SSC/TC, AFLAS.



• Result

- With a failure rate of 6 months they have avoided 3 failures to-date. Assuming the same cost of repair, the savings to date are \$13,275

