



Cossette Pumps: BMA end suction pump, messy housekeeping issue cleaned up!

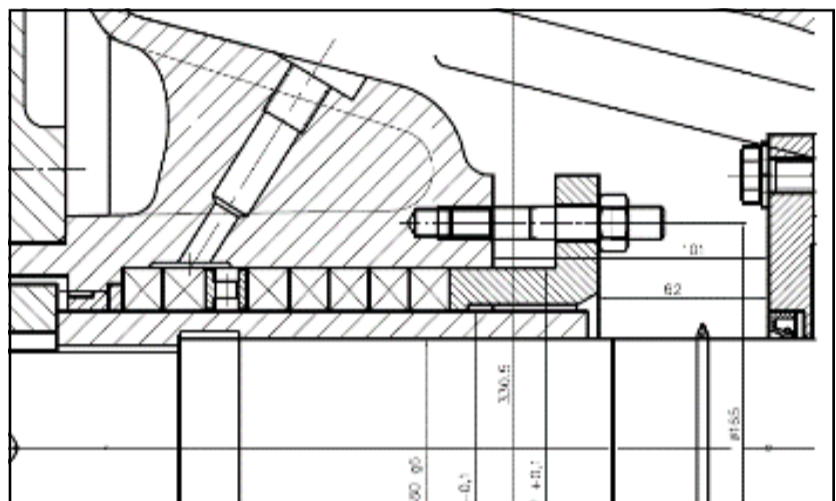
Food Processing | Sugar Beet Cossettes | Mechanical Seal

Application Info & Challenge

- **BMA end suction centrifugal pump**
- **Product:** Sugar Beet Cossettes, 32°C (90°F)
- **Process Pressure (stuffing box):** 20 psi



A Beet Sugar Plant required a mechanical seal design for pumping sugar beet cossettes. The current OEM design used seven rings of packing and a lantern ring. Customer experienced a short MTBF and area around pumps was wet causing premature bearing failures and safety issues. Requirements include relatively low pressure, moderate RPM.



Original OEM design with 7 rings of packing

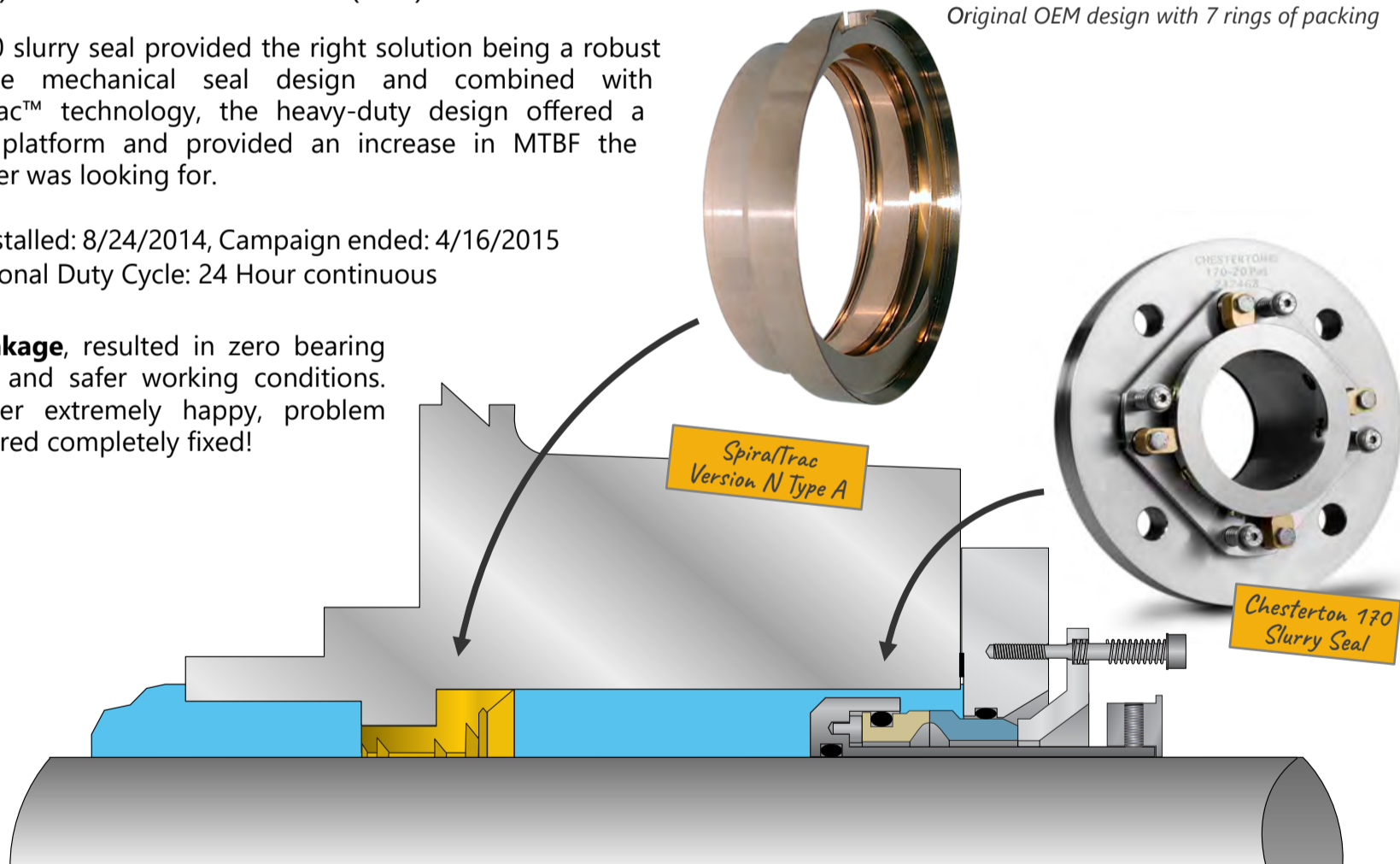
Solution & Result

- Chesterton 170 Slurry Seal 170-31 SSC/TC/EP 3.875"
- **SpiralTrac Version N Type A** made of 660 Bronze (BRZ) material NI3875RA5250(BRZ)14-0274

The 170 slurry seal provided the right solution being a robust cartridge mechanical seal design and combined with SpiralTrac™ technology, the heavy-duty design offered a robust platform and provided an increase in MTBF the customer was looking for.

Date Installed: 8/24/2014, Campaign ended: 4/16/2015
Operational Duty Cycle: 24 Hour continuous

No Leakage, resulted in zero bearing failures and safer working conditions. Customer extremely happy, problem considered completely fixed!



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

