

Application Success Story

Petrochemical • Oily Waste Water • Seal

Aggressive Operating Conditions Tackled by SpiralTrac™ and Chesterton 155™

Challenge

Aggressive operating conditions (waste oily salt water associated with high percentage sand particles, H2S and chloride). High cavitation causing unstable shaft axial movement. Unbalanced pressure between 1st stage and balancing drum. High maintenance cost, pump frequent start/stop.

Solution

Chesterton 155™ with SpiralTrac Version N for to eliminate slurries from the stuffing box. Utilizing Plan 11 in stuffing box cavity instead of seal flush port. Modifying bearing housing. Balancing drum was replaced by new technology non-metallic polymer.

Result

The pump is more reliable, resulting in reduced service and spare parts costs. Plant availability increased.



Flowserve 4 stage Waste Water Disposable Centrifugal Pump



Application Info

Pump: Flowserve 4 stage Waste Water Disposable Centrifugal Pump

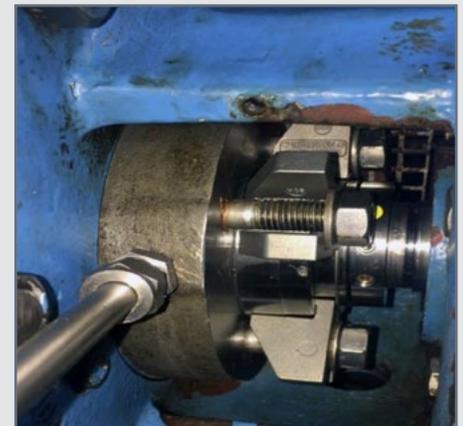
Product: Oily Waste Water, Hydrocarbon.



SpiralTrac Version N Type I made of 316 Stainless Steel



Chesterton 155™ Mechanical Seal



Chesterton 155™ Seal installed with SpiralTrac Version N Type I

If this Success Story has piqued your interest and would like to know more, our technical support team can always be reached at support@enviroseal.ca

