

Application Success Story:

Industry: Chemical
Product: Salt Brine
Sealing Solution: Packing

• Application Info

- Pump: Four Warman 10 x 8 ESC pumps
- Shaft: 3.992" / 101.40mm
- Bore: 5.256" / 133.50mm
- Product: Saturated brine mud containing: Sodium Chloride, Potassium Chloride Calcium Carbonate & Impurities
- Solids: 50%
- Temp: 104°F / 40°C
- Duty: 24hrs per day, 350 days per year



• Problem

- The 4 rings of packing lasted 8 weeks on average, 12 weeks at best
- Flush Rate: 10 GPM / 37.85LPM
- When the pump failed, the resulting leakage caused bearing failure
- This required the pump to be removed from site for each overhaul at a total cost of \$11,648 (£6000)



• Solution

- SpiralTrac™ Version P Type S
#PM10140RS13350(BGE)25422
- Three rings of Chesterton 1730™ packing



• Result

- Now at failure, after 24 weeks, only three rings of 1730™ are required, which lasts 2-3 times longer than previous and is a fraction of the cost
- Flush Rate: 1 GPM / 3.79 LPM
- Annual savings per pump of between \$45,593 (£24000) and \$67,948 (£35000)

