

Application Success Story

Food Processing • Sugar Mill • Packing

2 Year monitored ROI reveals 76% drop in operating cost for Thick Juice Pumps in Sugar Mill

Challenge

Previous re-pack intervals (MTBR) 7 days, high re-pack cost. Total application running cost between 2014 August and 2015 January is ≈245,000 R (≈18,200 USD) per pump (packing costs, labour, new sleeve and a one time bearing failure resulting in bearing replacement).

Solution

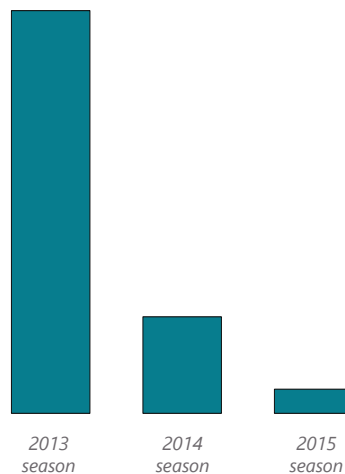
SpiralTrac Part# PM10000RS13200(ESC)0L64.00 Packing Version environmental controller installed with 2 rings on Chesterton 1830SSP™ and 1 ring of Chesterton 1400R™ packing in a 0L3 ST-1830-1400R-1830 configuration. Initial total investment ≈59,000 R (≈4,300 USD).

Result

These applications were closely monitored in the 2014 and 2015 season. Initially installed SpiralTrac lasted for both seasons, additional Chesterton 1830SSP packing was purchased for re-packing. After 2 consecutive seasons of no bearing failures, it is conclusive that the SpiralTrac sealing solution was effective in prolonging equipment life.

In the monitored ROI period in 2014 the savings on these 2 pumps were ≈371,800 R, in 2015 ≈448,200 R. **That is a total of ≈820,000 R (≈59,500 USD) savings and a 76% drop in operating cost.**

Thick Juice Pumps operating costs in monitored time period

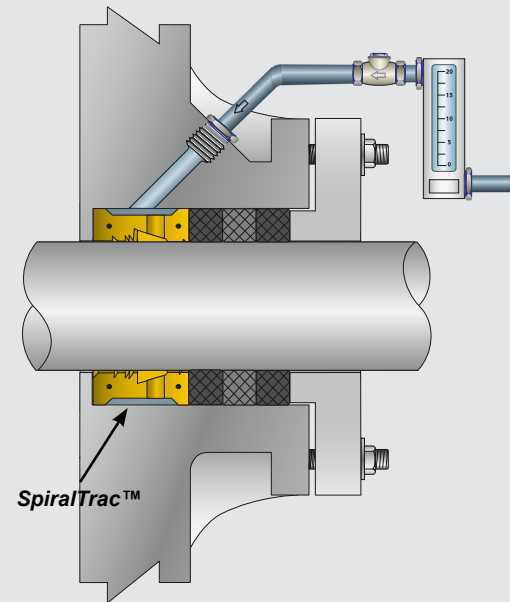


Application Info

Pump: 2 Samco double ended thick juice pumps

Shaft size: 100 mm

Product: Thick Juice



Packing Version SpiralTrac installed with Chesterton 1830SSP-1400R-1830SSP packing in a 0L3 configuration



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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



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