**REPLACING GRIT TANK BEARINGS WITH SXL SAVES CUSTOMER $$**

**Industry:**  
Sewage & Wastewater

**Company:**  
Fields Point Wastewater Treatment Facility, Rhode Island, USA

**Application:**  
Grit Tank Peak Cap End Bearings

**Thordon Grade:**  
SXL

**Problem**

Fields Point Wastewater Treatment Facility was replacing greased iron Peak Cap End Bearings two times each year in the Grit Tanks due to excessive bearing wear running against a steel shaft. Each Grit Tank required 4 small and 2 large bearing assemblies.

The cost (USD) for the greased iron bearings and labor to maintain these bearings are as follows:

- Cost of 6 iron bearings: $5,000.00
- Cost of Labor (US$15/hour @24 hours): $360.00
- Sub-total: $5,360.00

Annual Cost (twice per year): $10,720.00

**Thordon Solution**

Thordon SXL bearings were installed in May 1996 by Thordon distributor, Johnson Packings of Massachusetts, and after 7 years of operation, the peak end cap bearings are still in service.

**Savings to Customer**

Due to the material properties of Thordon SXL, the customer has seen a tremendous return on investment in this application. Thordon SXL bearings have extended the life cycle compared to the original greased iron bearings by a factor of 14, and they are still in service today.

- Cost of 6 Thordon SXL bearings: $1,945.00
- Cost of Labor (US$15/hour @24 hours): $360.00
- Sub-total: $2,305.00
- Annual Cost: $2,305.00
- Savings to Customer over 7 years
  - Iron bearings: $75,040.00
  - SXL Bearings: $2,305.00
- Total Savings: $72,735.00

The Customer has saved $72,735.00 in the past 7 years by using Thordon SXL bearings and they are still in service!