

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



Fields Point Wastewater Treatment Facility

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! **Nv**



Grit Tank Peak Cap End Bearing

