CHESTERTON
Global Solutions, Local Service.

Water Treatment Plant, Potable Water

Chesterton Lubricants/MRO Chemicals

Water/Wastewater Treatment
Product: Chesterton 630 SXCF
Case Study 007 LMRO

Challenge

Background

Treatment of drinking water requires buffering with lime. Paddle mixers are used to continuously agitate the treated water. Craft 3.5" Split Bearings support the shafts and are under water.

- Bearings are failing due to water washout and chemical attack to the Aluminum Complex #2 grease.
- Repair requires shutting down and the complete draining of the treatment tanks.

Solution

Product

Apply **Chesterton 630 SXCF**, a synthetic food-grade grease with exceptional water resistance.

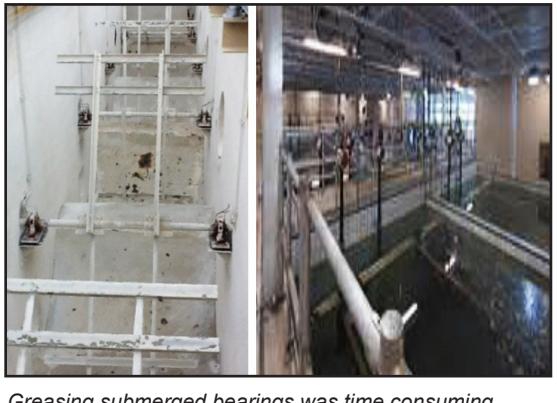
- The plant greases the bearings about once a week. The **Chesterton 630 SXCF** washout resistance and corrosion resistance have eliminated any water and lime damage to the bearings and shaft.
- Grease lines inject **Chesterton 630 SXCF** into the center grease port as well as into both bearing isolators.

Results

- **Chesterton 630 SXCF** is now approved by Craft Bearing Company, Inc. for this underwater application.
- Due to the reduced use of grease and reliable delivery, bearing failure has been eliminated.
- Estimated equipment and downtime savings exceed $300,000.

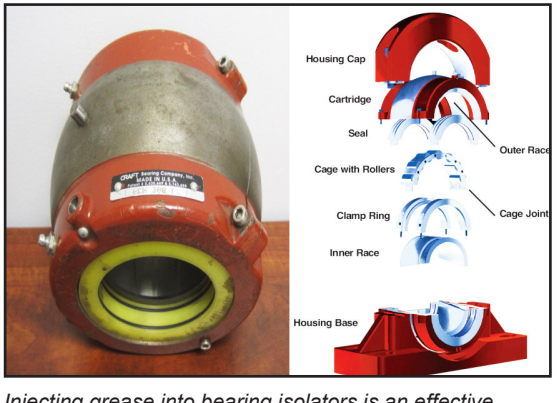
Annual Cost of 630 SXCF	**-$ 40,000**
Annual Savings:	**$260,000**

$=USD



Greasing submerged bearings was time consuming. Replacing them …almost impossible.

Chesterton 630 SXCF grease is now injected remotely to 3 lube points per bearing.



Injecting grease into bearing isolators is an effective solution.

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