Perma® Automatic Lubricator & Wirelife® Monolec® Penetrating Lubricant (2001)

Beaufort Jasper Water & Sewer Authority – S.C.

Chain Drives in Bar Screen

Customer Profile

Beaufort Jasper Water & Sewer Authority provides the main source of water to area coastal communities. Its service area extends over 1,500 square miles across two counties in South Carolina.

The rapid growth of the coastal area demands that they continue to invest and maintain their equipment at peak performance. Today, the water plants can process more than 39 million gallons per day.

Application

The Cherry Point reclamation plant has a bar screen that has two chain drives. The chains are behind panels guarded from view, making them difficult for inspection and the cause for safety concerns.

Challenge

The two chains are subject to moisture and contamination causing rust and wear on the chains. The unit runs 24 hours per day, seven days per week.

LE Solution

Upon the recommendation of Helmut von Schweinitz, LE lubrication consultant, Joe Moran, maintenance technician, used the Perma Futura automatic lubricator with stainless steel fittings and lube brush to lubricate the chain. The Futura has a built in check-valve that helps regulate oil flow over a -month period. The lubricator was filled with LE's Wirelife Monolec Penetrating Lubricant (2001) because of its potent additive system that prevents the damage from moisture and rust.

Results

The photographs above show the chain condition after one month operation. The chain has a wet look, and one can see the purplish tint of the lube on the chain. Joe said the installation was quick and easy.

Thank you to Al Legare, maintenance director, his maintenance staff, and to Helmut von Schweinitz, LE lubrication consultant (pictured), for providing the information used in this report.

Perma® is a registered trademark of Perma-Tec GMBH & Co. Wirelife® and Monolec® are registered trademarks of Lubrication Engineers, Inc.

300 Bailey Avenue ◉ Fort Worth, TX 76107 ◉ Fax: 800-228-1142
LE operates under an ISO 9001 Certified Quality System.

www.LElubricants.com

800-537-7683