



Wirelife® Monolec® Penetrating Lubricant (2001)

U.S. Army Corps of Engineers – Natrona Heights, Pa.

Tow Haulage Unit

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Customer Profile

The Allegheny River Lock is located twenty-five miles north of Pittsburgh, Pennsylvania, and has been in business for 70 years. River traffic is transported up and down the Allegheny through the lock.

Application

The tow haulage unit pulls barges through the lock chambers. The unit has two 500-foot long lengths of ¾ inch wire rope cable.

Challenge

Shortly after cable installation, Jim Klanica, lock equipment supervisor, started seeing rust forming on the cables and knew a lube was needed. Since the equipment is located along the river, moisture is a big problem. The cables are exposed to other weather elements, too.

LE Solution

Jim lubricated the cables with Wirelife® Monolec® Penetrating Lubricant (2001). He had used Wirelife 2001 with excellent results, when he worked at another lock and dam location. Wirelife 2001 is a penetrating type lubricant that provides superior load carrying capacity and excellent corrosion resistance.

Results

Jim now treats the cables two to three times a year. He applies Wirelife 2001 to the cables with a garden sprayer. The projected life of the cables is five years. The cables are now in their fifth year and there is no rust formation or signs of cable fraying. Jim commented, "With 2001, who knows how long this cable will last."

Other Products Used

Synolec® Gear Lubricant (9920) SAE 75W-140 is used in the cable spool gearboxes of the tow haulage units. In the winter, the previous gear oil would thicken and caused the drive unit to operate sluggishly. Since using Synolec 9920 two years ago, the unit operates easily in cold winter weather.

Thank you to Jim Klanica, equipment supervisor, and to Larry Boyle, LE lubrication consultant (pictured), for providing the information used in this report.





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Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

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300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142
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800-537-7683