

**2001 MONOLEC® WIRE ROPE LUBRICANT**  
**U.S ARMY CORPS OF ENGINEERS, Natrona Heights, PA**  
**Tow Haulage Unit • SIC 9199 General Government**

**Projected life of cables... 5 Years!**

**CUSTOMER PROFILE**

The Allegheny River Lock is located twenty-five miles north of Pittsburgh, Pennsylvania and has been in business for seventy 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.

**AREA OF INTEREST**

Shortly after cable installation, Lock Equipment Supervisor Jim Klanica, 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 LE's 2001

MONOLEC® Wire Rope Lubricant. He had used 2001, with excellent results, when he worked at another Lock and Dam location. 2001 is a penetrating type lubricant that provides superior load carrying capacity and excellent corrosion resistance.

**CUSTOMER COST SAVINGS**

Jim now treats the cables two to three times a year. He applies 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 LE PRODUCTS USED**

9920 SYNOLEC® Gear Lubricant (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 9920 two years ago the unit operates easily in cold winter weather.

We wish to thank Equipment Supervisor, Jim Klanica and LE Representative Larry Boyle (pictured) for the information provided to prepare this report.



Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

**LUBRICATION ENGINEERS, Inc.**

*Leaders in Lubricants*

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