



## Quinplex® Food Machinery Lubricant (4025)

### City of Topeka Waterworks – Kansas

#### Traveling Water Screens

- Stayed in place, protecting the equipment
- Reduced the amount of grease used by 1/4 to 1/3

#### Customer Profile

The City of Topeka Waterworks Division provides drinking water to the residents of Topeka, Kansas. They have been an LE customer since 2005.

#### Application

Water is collected from the Kansas River which meanders through the city. Four FMC Corporation traveling water screens collect and remove sand, silt, and other debris from the water before continuing through the process of being treated and purified for human consumption.

#### Challenge

While using a major manufacturer's premium grease to lubricate the screens and protect bearings, the grease would wash out or sling off allowing sand and silt into the system. Personnel at the plant were continually greasing the units in an attempt to keep out the debris. Supervisor III, Herman Wyatt, wanted to extend the life of the water screens and reduce the amount of grease being used.

#### LE Solution

The local LE lubrication consultant recommended Quinplex® Food Machinery Lubricant (4025), which is NSF and USDA H1 for food processing equipment. It is white, water resistant, resists high temperatures, clings to metal, is rust and corrosion inhibited, and is mechanically stable. Quinplex 4025 provides true extreme pressure performance.

#### Results

Once he started using Quinplex 4025, Herman Wyatt immediately noticed results in how well the it adhered to the equipment by resisting wash out and sling off, staying in place protecting the equipment.



It has yet to be determined what kind of cost savings Quinplex 4025 will provide the City of Topeka Waterworks Division. Herman has already seen a reduction of 1/4 to 1/3 of the amount of grease his personnel are using on the screens. The savings associated with the cost of repairing equipment including labor, parts and downtime and other associated cost factors have not been fully realized at this time.

Herman stated, "LE's 4025 has reduced the friction and wear which will increase the longevity of the equipment and mechanical stability—and at a substantial cost savings. It's just a better quality lubricant with better adhesion."



### **Other Products Used**

- Almaplex® Industrial Lubricant (1275)
- Duolec® Vari-Purpose Gear Lubricant (1605)
- Pyroshield® Syn Open Gear Grease (5182)
- Oil Safe products

*Thank you to Terry Langford, infrastructure support manager, Herman Wyatt, supervisor III, and to Steve Petrehn, 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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