

# Customer Testimonial



## Reliability Program

### City of Burlington Ed Thomas WTP – Burlington, N.C.

- Eliminated emulsifying oil problem
- Oil Safe containers keep oil clean and make adding oil easy
- LEAP oil analysis is used to monitor equipment and oil changes based on oil condition

#### Customer Profile

The Ed Thomas WTP in Burlington, North Carolina, is one of two plants the city has to supply water to the city residents and surrounding communities in central North Carolina. The plant has the capacity to produce up to 16 mgd.

#### Challenge

Hank Trent, Ed Thomas WTP chief operator, was looking for a program to help him better manage his plant and equipment.

#### LE Solution

Jeff Boyles, LE lubrication consultant, introduced Hank to Lubrication Engineers' Reliability Program. Jeff performed a Plant Reliability Survey and made several recommendations to improve operations and reliability at the plant.

Hank was having trouble with water getting in the oil in his DeLaval finish water pumps. The commercial grade oil they were using would emulsify and turn milky, resulting in early oil changes. Jeff recommended Monolec® R & O Compressor / Turbine Oil (6403) because it readily separates from water, is extremely long lasting and nonfoaming in service. He also recommended Esco Oil Sight Glasses to easily drain off any water accumulated in the reservoir.

Oil Safe® containers were recommended to dispense oil into the pumps. The Oil Safe containers keep the oil clean in storage and make adding oil easy. The different colored tops are used to assign a color to a particular oil. For example, Hank uses red for Monolec 6403 and green for Monolec 6404.

LEAP<sup>SM</sup> (Lubrication Engineers Analysis Program) was also recommended and implemented to change the lubricants based on condition rather than a preset time.

Hank said, "In the past we would have to drain the oil and water out because of emulsification and replace the oil. This problem has been greatly improved with the new LE oil sight glasses that were



Esco Oil Sight Glasses are installed on these DeLaval pumps.





recommended. Now if water enters the oil bath it will separate and is visible in the sight glass. We just simply drain the water off. We have been using the Oil Safe containers when topping off oil in equipment. The water plant staff enjoys the containers because they are easy to use and keep them from making a mess.”

#### **Other Products Used**

- Quinplex® Penetrating Oil & Lubricant (4059)
- Quinplex® White Gear Lubricant (4090)
- Monolec R & O Compressor / Turbine Oil (6401, 6403, 6404)



*This Oil Safe container holds Monolec 6403 for the DeLaval pumps. It is stored near the pumps.*



*This Speedair reciprocating compressor is equipped with an Esco Oil Sight Glass. The Oil Safe container holds Monolec 6404 for the compressor.*



*Thank you to Hank Trent, chief operator, and to John Hayes, LE lubrication consultants, (pictured) for providing the information used in this report.*



Monolec® and Quinplex® are registered trademark and LEAP<sup>SM</sup> is a service mark of Lubrication Engineers, Inc. Oil Safe® is a registered trademark of Reliability Brands LLC.

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

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