Customer Testimonial



Monolec® R & O Compressor / Turbine Oil (6401)

Orange Water & Sewer Authority – Chapel Hill, N.C. Westinghouse 450 HP Pump

• Saves \$1,599 annually in electrical energy costs

Customer Profile

The Orange Water & Sewer Authority produces drinking water for a three-city area in and around Chapel Hill, North Carolina. They have been an LE customer since 1991.

Application

The main pump used to supply drinking water for the area is a 450 hp Westinghouse.

Challenge

In order to supply the tri-city area with fresh drinking water, the Orange Water & Sewer Authority maintains 260 miles of water main and 7.5 million gallons of water is pumped each day. It is essential that the pumps be kept in good operating condition.

LE Solution

In January of 1991, the local LE lubrication consultant recommended Monolec® R & O Compressor / Turbine Oil (6401) for this pump. Prior to converting to Monolec 6401, amperage readings were taken on the pump and measured at 81.5. After installing Monolec 6401, a 1 amp drop was achieved.

Results

The following formula is used to find the cost of a unit's electrical consumption. This is the same formula used by the local utility company.

.Volts x Amperes Saved x 1.73* = kW Savings kW Savings x Hours of Operation Per Year = Annual kWh Savings Annual kWh Savings x Electrical Rate = Annual Electrical Savings *Conversion Factor for a 3-Phase Source

> 2.30 x 1 x 1.73 = 3.979 3.979 x 8,736 = 34,760.54 34,760.54 x \$0.046 = \$1,598.98

Monolec R & O Compressor / Turbine Oil (6401) saves \$1,599 annually in electrical energy costs.

Thank you to Doug Terry, superintendent, and to Jeff Boyles, 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 specification

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