



Monolec® R & O Compressor / Turbine Oil (6404)

City of McAlester – Oklahoma

Schwitzer Duroflow Blowers

- **Saved \$869.76 annually on electrical costs**

Customer Profile

The City of McAlester's Wastewater Treatment Plant handles an average daily flow of 2.5 million gallons. The plant is rated to handle 5 million gallons per day. They have been an LE customer since December of 1992.

Application

Two 40 hp Schwitzer Duroflow blowers are used to furnish oxygen to two different digesters. These blowers are located inside the blower room. The room is clean and dry, and the units operate 24 hours a day, 365 days per year.

Challenge

While using a specialty grade lubricant, they were experiencing problems with leaking seals.

LE Solution

The staff at the City of McAlester WWTP is very interested in saving money for the City. The local LE lubrication consultant recommended LE's Monolec® R & O Compressor / Turbine Oil (6404) and LE's ZAP Energy Saving Program to save them money on electrical energy costs and extend equipment life. In order to assist the City of McAlester with lubricant inventory consolidation, the LE consultant also did a Lubrication Survey on both the East and West Plants.

Results

After converting to Monolec 6404, the City of McAlester has reduced seal leaking by at least 50 percent or more, according to Willie Young, maintenance supervisor. Using

the specialty grade lubricant, the maintenance personnel were adding oil daily to the blowers. With Monolec 6404, make up oil is added no more than once each week.

Prior to converting to Monolec 6404, amperage readings were taken on three legs of the unit. After converting to Monolec 6404, amperage readings were again taken.

Specialty Grade Lubricant	37-38-38
Monolec 6404	36-37-37

Using figures provided by Public Service Company of Oklahoma, this one amp drop equates to an annual electricity savings of \$434.88 on each blower, or \$869.76 annually on the pair.

Lubrication Engineers' Analysis Program (LEAPSM) is being used to monitor the oil condition and safely extend the oil drain intervals on the blowers.

Other Products Used

- Monolec® R & O Compressor / Turbine Oil (6405)
- Almagard® Vari-Purpose Lubricant (3752)
- Monolec® Gear Lubricant (704)
- Monolex® Penetrating Oil & Lubricant (2059)

Thank you to Garry Roe, sanitation superintendent, Bobby Nichols, chief plant operator & lab technician, Willie Young, maintenance supervisor, and to the local LE lubrication consultant, for providing the information used in this report.



Monolec®, Almagard® and Monolex® are registered trademarks of Lubrication Engineers, Inc.

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

SIC 4952
LI70201 06-11

300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142
LE operates under an ISO 9001 Certified Quality System.



www.LElubricants.com
800-537-7683