

6404 MONOLEC[®] R & O COMPRESSOR / TURBINE OIL

CITY OF MC ALESTER, OKLAHOMA

Schwitzer Duroflow Blower • SIC 4952 Sewage Systems

CUSTOMER TESTIMONIAL

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.

AREA OF INTEREST

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. LE Representative Bob Kaser recommended LE's 6404 MONOLEC R & O Compressor / Turbine Oil and LE's ZAP Energy

Annual electricity savings \$869.76

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, Bob Kaser also did a Lubrication Survey on both the East and West Plants.

CUSTOMER COST SAVINGS

After converting to LE's 6404 MONOLEC R & O Compressor / Turbine Oil, the City of McAlester has reduced seal leaking by at least 50% or more, according to Willie Young, Maintenance Supervisor. Using the specialty grade lubricant, the maintenance personnel were adding oil daily to the blowers. With LE's 6404 make up oil is added no more than once each week.

Prior to converting to LE's 6404 MONOLEC R & O Compressor / Turbine Oil, amperage readings were taken on three legs of the unit. After converting to LE's 6404, amperage readings were again taken.

Specialty Grade Lubricant 37-38-38

LE's 6404 MONOLEC R & O Compressor / Turbine Oil 36-37-37

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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

Other LE products used by the City of McAlester WWTP are LE's 6405 MONOLEC[®] R & O Compressor / Turbine Oil; LE's 3752 ALMAGARD[®] Vari-Purpose Lubricant, LE's 704 MONOLEC[®] Gear Lubricant and LE's 2059 MONOLEX[®] Penetrating Oil & Lubricant.

We wish to thank Garry Roe, Sanitation Superintendent; Bobby Nichols, Chief Plant Operator & Lab Technician; Willie Young, Maintenance Supervisor and LE Representative Bob Kaser for the information provided to prepare this report.



Bob Kaser