

**6404 MONOLEC® R & O COMPRESSOR / TURBINE OIL
CITY OF VERMILION WATER POLLUTION CONTROL PLANT, OH
Hoffman Lamson & Offman Blowers • SIC 4952 Sewerage Systems**

6404 is designed specifically to combat the effects of high temperatures (oxidation), water, contaminants and heavy loads which accelerate wear; to provide much longer equipment and oil life.

CUSTOMER PROFILE

The City of Vermilion Water Pollution Control Plant is located in Vermilion, OH. They have been an LE customer since 1989.

APPLICATION

Lamson and Hoffman blowers used to aerate the sludge are an integral part of the operation.

AREA OF INTEREST

Using a commercial grade turbine oil, the blowers would overheat during the hot summer days, and trip the high temperature shutoff switch. These units were also leaking and required the addition of makeup oil once or twice a week, resulting in a considerable number of man-hours being utilized for labor.

LE SOLUTION

The local LE Lubrication Consultant recommended LE's 6404 MONOLEC R & O Compressor / Turbine Oil and stressed it would solve these problems, plus reduce their energy consumption. **LE's 6404 offers excellent oxidation resistance, does not emulsify with water, provides extremely long service life and is kind to seals.** It also contains MONOLEC®, LE's exclusive wear-reducing additive. In September of 1989, wishing to improve the performance of

these blowers, the personnel agreed to convert two 100 hp Lamson blowers and two 50 hp Hoffman blowers to LE's 6404.

CUSTOMER COST SAVINGS

The results were impressive. All four blowers ran cooler and did not trip out once due to high temperatures during the summer. Oil leakage was dramatically reduced and makeup oil is now required only once a month, saving a considerable number of man-hours.

Before the conversion of these units to LE, the WPC facility monitored energy consumption of the commercial grade turbine oil. Maintenance personnel then drained, flushed and filled the blowers with LE's 6404 MONOLEC R & O Compressor / Turbine Oil and again recorded energy consumption. They documented that the two Lamson blowers showed amperage reductions of 5 amps and 4 amps respectively after converting to LE's 6404. The two Hoffman blowers showed reduced amperage of 3 amps each. Electrical savings on one of the 100 hp Lamson blowers is conservatively estimated at \$500 annually. This does not include the energy savings of the other three blowers, the reduction in oil required as makeup oil, or the man hours saved by using LE's 6404. They were extremely pleased with the results, based on the original dollar investment of the 6 gallon pail of LE's 6404.

We wish to thank Donald Whitt, Superintendent and the local LE Lubrication Consultant for providing information to prepare this report.

Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

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