



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

City of Savannah WWTP – Savannah, Mo.

Blowers

- **Blowers run cooler and quieter**

Customer Profile

The City of Savannah Wastewater Treatment Facility serves the needs of the Savannah, Missouri area. Savannah is a town of 4,300 in Northwest Missouri. The plant was dedicated in 1982. They can handle 573,000 gallons per day, but their average is 300,000 to 390,000 gallons per day.

Application

This wastewater facility uses 3200 series MD Pneumatic blowers to provide air to the ditches for oxidation.

Challenge

While using a commercial grade oil, the blowers were noisy and the bearings were lasting about six months. The cost of a new blower is about \$1,900, and to rebuild a blower is about \$1,000. When the blowers break down it takes two weeks to get them running again. Since the plant is run by limited personnel, this really hurts the over all operation of the plant.

LE Solution

The local LE lubrication consultant recommended Monolec® R & O Compressor / Turbine Oil (6404), which is formulated for steam-turbo generators, smaller

industrial turbines, gear and bearing applications and circulating systems. After using Monolec 6404, the customer noticed that the blowers run better, and they do not leak as much. Of the two leaking seals, one has stopped and the other is down to a slow trickle. They only use two of four during the winter months.

Results

Since changing to Monolec 6404, the blowers are running more efficiently. Jason Long, plant supervisor, has noticed that the blowers are running cooler because he can rest his hand on them. He says, "It may be my imagination, but the room the blowers are in seems cooler and the blowers are running quieter. Cooler and quieter running blowers means less work for me".

Other Products Used

- Monolec® Gear Oil (703)
- Monolec Ultra® Engine Oil (8800)

Thank you to Jason Long, plant supervisor, and to Bill Seals, 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 specifications.

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