

# Customer Testimonial



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

Saginaw Wastewater Treatment Division – Saginaw, Mich.

Gardner Denver 5 HP Air Compressor

- Reduced amperage by 10%

### Customer Profile

City of Saginaw Wastewater Treatment Facility was the 1998 Winner of the United States Environmental Protection Agency National Award for an Outstanding CSO Control Program. They have been an LE customer since 1999.

### Application

Gardner Denver Model AC M-1003, Type 15, 5 HP reciprocating compressor supplies air for bubbler tubes to monitor fluid level in effluent pumping stations. Motor is a 5 HP, 460 v., 1750 RPM, 60 Hz, 3 Ph unit. Compressor runs about 630 hours annually, has a backup unit in case of a failure.

### Challenge

Extending drain intervals over those provided by commercial air compressor oil.  
Energy savings with the LE ZAP Program.

### LE Solution

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

- Extended drain intervals
- Reduced overall cost for air compressor oil
- Reduced energy cost with LE's ZAP Energy Savings Program
- Contains Monolec®, LE's exclusive wear reducing additive
- 100% Paraffinic Base Oils and Oxidation Inhibitors reduce detrimental effects of high temperatures that occur in reciprocating compressors

### Results

Amperage readings were recorded on the effluent building #1 air compressor before and after it was drained and flushed and refilled with Monolec 6404.



Amperage Readings – Commercial Grade Oil			
Time	T1	T2	T3
8:30 am	5.0	5.0	5.0
10:00 am	5.0	5.0	5.0
11:00 am	5.0	5.0	5.0
1:00 pm	5.0	5.0	5.0
2:00 pm	5.0	5.0	5.0
3:00 pm	5.0	5.0	5.0
4:05 pm	5.0	5.0	5.0
Amperage Readings – Monolec 6404			
8:35 am	4.5	4.75	4.5
10:00 am	4.5	4.5	4.5
11:00 am	4.5	4.5	4.5
1:00 pm	4.5	4.5	4.5
2:00 pm	4.5	4.5	4.5
3:00 pm	4.5	4.5	4.5
4:00 pm	4.5	4.5	4.5

The above figures reflect a very positive test result for Monolec 6404, with an overall amperage reduction of ten%. Since this comparison, Dave Hoffman has changed 2 additional compressors over to Monolec 6404 where similar savings are anticipated.



### **Other Products Used**

- Multilec® Industrial Oil (6803 & 6805) is used in the aerators. The 6803 (ISO 68) is used in the winter months and 6805 is used in the summer months.
- Monolex® Penetrating Oil & Lubricant (2059)

*Thank you to Dave Hoffman, plant maintenance supervisor, and to Matt Pressnell, 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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