



Monolec® Multiplex Lubricant (4622)

City of Dowagiac Waste Water Treatment Plant – Michigan

Spencer Blowers

- Reduced bearing temperature 130°F (72°C)
- Extended bearing life

Customer Profile

The City of Dowagiac Waste Water Treatment Plant is located in the Southwest corner of Michigan. They have been treating the water for Dowagiac, Michigan for 46 years.

Application

This facility utilizes 150 horse power turbine Spencer Blowers. These machines provide air for three aeration tanks and two aerobic digesters.

Challenge

The bearings on the Spencer Blowers were overheating to 230°F (110°C) causing the bearings to burn out. This was causing extensive downtime for repair, parts and labor.

LE Solution

The local LE lubrication consultant, recommended Monolec® Multiplex Lubricant (4622), which is a high quality, lithium complex grease with a very broad operating temperature range. It also contains Monolec®, LE's exclusive wear-reducing additive which has proven its extraordinary performance in thousands of applications.

Results

The City of Dowagiac was losing bearings every two years. These bearings cost \$2,000. By changing to Monolec 4622, the temperature dropped down to 80-100°F (27-38°C). The drop in temperature has eliminated the bearing burn outs and even helped reduce the temperature in the working environment.





Dennis Swisher, maintenance manager, says, "I would highly recommend Lubrication Engineers to anyone who is having any lubrication problems."

Other Products Used

- Duolec® Vari-Purpose Gear Lubricant (1605) – Fournier press

Thank you to Dennis Swisher, maintenance manager, and to the local LE lubrication consultant, for providing the information used in this report.



Dennis Swisher

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

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