



Monolec® Gear Lubricant (704)

Carthage WWTP – Carthage, Mo.

Suburbia Systems, Inc. Clarifier

- Extended oil drain intervals

Customer Profile

The City of Carthage Wastewater Treatment Plant processes 2.7 million gallons per day. They have been an LE customer since 1994.

Application

The City uses a Suburbia Systems, Inc. clarifier that holds 291,380 gallons. The clarifier is in operation 24 hours a day, seven days a week. The environment that the clarifier operates in is wet and corrosive from the wastewater fluids.

Challenge

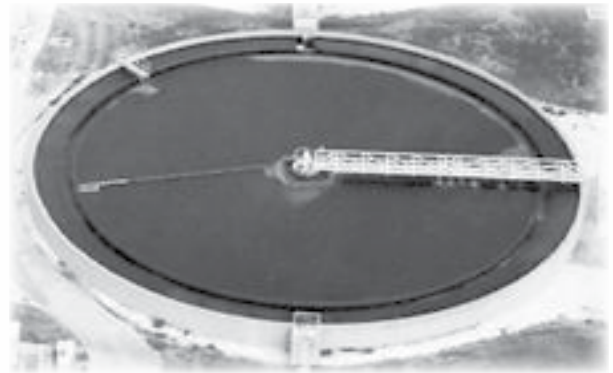
Water was entering the gearboxes. In the freezing temperatures of winter, the moisture would freeze in the gearbox, stopping the clarifier. The maintenance personnel had to change out the commercial grade 85W-140 gear oil once a year.

LE Solution

Monolec® Gear Lubricant (704) was recommended by the local LE lubrication consultant. Monolec 704 met the manufacturer's specification for a gear oil, plus it does not mix with water.

Results

Monolec 704 has been in the gearbox of the Suburbia Systems clarifier for 1-1/2 years now, and Bob Trent, wastewater foreman, feels they can leave it in for another 1-1/2 years. The local LE lubrication consultant



recommended they put a valve in the bottom of the gearbox to drain off the water. Monolec 704 has excellent water separation characteristics, and they drain the water from the gearbox monthly.

Other Products Used

- Almagard® Vari-Purpose Lubricant (3752) for tractors and general in-plant use
- Monolec® R & O Compressor / Turbine Oil (6403) for applications requiring a non-detergent oil
- Duolec® Vari-Purpose Gear Lubricant (1605) for speed reducers and miscellaneous gearboxes
- Monolec® Power Fluid (7500) for their tractors and pump truck
- Monolex® Penetrating Oil & Lubricant (2059) for general purpose lubrication

Thank you to Bob Trent, wastewater foreman, and to Will McCubbins, 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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