



## Duolec® Vari-Purpose Gear Lubricant (1605) Monolec® Gear Lubricant (704)

*City of Clarksdale WWTP – Miss.*

### Clarifiers

- *Decreased noise*
- *Eliminated leaks*

#### **Customer Profile**

The City of Clarksdale Wastewater Treatment Plant is located in the Mississippi Delta. They service 9,000 customers, a local college, and a city operated gas turbine/steam power plant. They treat up to 2.6 million gallons per day. They have been an LE customer since 1994.

#### **Application**

They use four Smith and Loveless 60 foot clarifiers in the water treatment process.

#### **Challenge**

After having to rebuild the West secondary clarifier twice in a four year period, at a cost of almost \$7,000 each time, they wanted a lubricant that would better protect and extend equipment life. Charles Williams, plant manager, remembered a gear oil demonstration presented to him by his local LE lubrication consultant, and contacted him.

#### **LE Solution**

Based on the OEM specifications, the LE lubrication consultant recommended Duolec® Vari-Purpose Gear

Lubricant (1605) for the bull gears on the clarifier, and Monolec® Gear Lubricant (704) for the gearboxes because of the problem they were having during cold weather.

#### **Results**

After converting to Duolec 1605 and Monolec 704, Mr. Williams noticed noise reduction and the leaks in the clarifiers had stopped. Questioning one of his operators, “What did you do to stop the noise and leaks?” His reply was, “The only thing I did differently was change to LE’s gear oil”.

Mr. Williams said, “Changing to LE’s gear oil saved the city almost \$7,000 in parts and labor it would have cost to rebuild the clarifiers”.

They also have extended drain intervals to annually.

#### **Other Products Used**

- Almagard® Vari-Purpose Lubricant (3752) is used in all bearing applications. Since changing to Almagard 3752, they have had no bearing failures.

*Thank you to Charles Williams, plant manager, and to the local LE lubrication consultant, 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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