



Duolec® Vari-Purpose Gear Lubricant (1605)

City of Canton WPC – Ohio

Walker Process Clarifiers

- Extended oil drain intervals from 6 months to 4 years

Customer Profile

The Water Pollution Control Center services all of Canton, Ohio. They have been an LE customer since 1993.

Application

The City of Canton WPC uses a Walker Process clarifier to separate solids from water. It is in operation approximately 24 hours a day, 7 days a week.

Challenge

While using a commercial grade gear oil in their clarifier gearboxes, an oil drain and change was required every six months. The reason for the frequent oil changes was due to water contamination and the subsequent oil-water emulsion it formed. Without a 6-month oil change, they were faced with premature wear and possible gearbox failure which resulted in costly downtime and labor costs. Their goal was to use a gear oil that separated from water allowing the water to be drained out of the gearbox. Plus, they wanted to achieve extended oil drain intervals.

LE Solution

The local LE lubrication consultant recommended Duolec® Vari-Purpose Gear Lubricant (1605) to Doug Dickerhoff, chief of maintenance and Tracy Mills, superintendent. He showed them documented testimonials from other water and waste water treatment plants who had similar problems and what

their results were after changing to LE. Duolec 1605 has extreme pressure (EP) characteristics and is long lasting in service. It is also water resistant, non-foaming, very adhesive and protects against corrosive wear and can reduce over-heating. Duolec 1605 contains Duolec®, LE's exclusive wear-reducing additive.

Results

After switching to Duolec 1605, the drain intervals for the Walker Process clarifiers have been extended to four years versus twice a year with the commercial grade oil. Along with this, they have stated that money has been saved on oil consumption, waste oil disposal, maintenance and downtime.

Other Products Used

- Almaplex® Industrial Lubricant (1275)
- Duolec® Vari-Purpose Gear Lubricant (1608)
- Almagard® Vari-Purpose Lubricant (3752)
- Monolec® Hydraulic Oil (6520)
- Multilec® Industrial Oil (6804)

Thank you to Doug Dickerhoff, chief of maintenance, Tracy Mills, superintendent, and to Joe Kuntz, 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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