



Duolec® Vari-Purpose Gear Lubricant (1605)

Village of Webster Wastewater Treatment Plant – New York Gear Reducers on Primary & Secondary Clarifiers

- **Extended oil drain intervals from 6 months to 12 months**
- **Reduced lubricant inventory**

Customer Profile

The Village of Webster Wastewater Treatment Plant, located in upstate New York, has used LE products at their plant since August 1978.

Application

Gear reducers power the primary and secondary clarifiers.

Challenge

The chief operator at the plant is particularly impressed with two characteristics of Duolec® Vari-Purpose Gear Lubricant (1605). First, he feels that it is exceptionally long lasting in service. By changing to Duolec 1605, he has been able to extend drain intervals over commercial grade lubricants. Secondly he knows that the lubricant is exceptionally versatile in that it has reduced and simplified his lubricant inventory.

LE Solution

Duolec 1605 is formulated for heavy-duty service in transmissions, differentials and industrial gearing; thus, it meets a wide variety of needs at the Village of Webster Wastewater Treatment Plant. An excellent example of the extended service life of Duolec 1605 is its use in the gear reducers on the primary and secondary clarifiers. The manufacturer recommends change intervals at six months. While using a commercial grade lubricant this six-month interval was standard practice.

Results

Since changing to Duolec 1605, the change intervals have been extended to 12 months. Per the chief operator, "Even

at 12 months the oil still looks good, but we change it anyway. I know we have received more than our money's worth."

As a part of their preventive maintenance program, the gear reducers and all other components are inspected on a regular basis. There hasn't been any sign of excessive wear since the introduction of Duolec 1605. Much of this is attributed to the fact that this lubricant contains Duolec®, LE's exclusive wear-reducing additive.

Other Products Used

Because of the excellent results received from LE lubricants, additional LE products have been added. One of these products is Monolec Ultra® Engine Oil (8800) 15W-40. While using a commercial grade engine oil in the lawn maintenance equipment, the personnel were complaining of severe problems. Toro push lawn mowers equipped with Briggs & Stratton engines were only lasting one year in service. Since introducing Monolec Ultra 8800, the Toro push lawn mowers are now lasting up to four years, with reliable service. This is attributed to the fact that Monolec Ultra 8800 contains Monolec®, LE's exclusive wear-reducing additive, and the finest paraffinic base oil available.

Thank you to John Cardivellie, chief operator, and to Don Wilkens, LE lubrication consultant (pictured), for providing the information used in this report.





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