



## Duolec® Vari-Purpose Gear Lubricant (1606)

### Cascade Tissue Mills of New York

### Gear Reducer

- **Increased oil drain intervals from once a month to 6 to 8 months**

#### Customer Profile

Cascade Tissue Mills of New York makes paper towels for the away-from-home market (gas stations, restaurants) in the Northeast. All of their products are 100% recycled from waste paper. The mill has been in business since 1997, and an LE customer since 1999.

#### Application

They use two pulpers, one is 600 HP, and the other is 900 HP. Each unit has a large gear reducer to drive the pulper. Pulpers are used to mix the waste paper with water and chemicals so that the paper falls apart into individual fibers so it can be re-formed as a new sheet of paper.

#### Challenge

Due to the constant presence of water all around, the mill was having a problem with the commercial grade gear oil emulsifying with water. They were having to change the oil in the gear reducers about once a month.

#### LE Solution

After a gearbox and water shake demonstration, the maintenance supervisor decided to try Duolec® Vari-Purpose Gear Lubricant (1606). They now run six to eight months between drains. The gear reducers are checked twice a week and any accumulated water is easily drained off. They now also use Duolec 1606 in many other applications in the mill.

#### Results

They stated that Duolec 1606 has saved a lot of money in less oil used and in less downtime associated with oil changes. They are now looking at other products in the LE line for other applications.

#### Other Products Used

- Almasol® Worm Gear Lubricant (460 & 680)
- Almaplex® Industrial Lubricant (1275)
- All Purpose Hydraulic Oil (4932)
- Monolec® Paper Machine Lubricant (6140)
- Monolec® R & O Compressor / Turbine Oil (6404)

*Thank you to Henry Everts, maintenance supervisor, and to Dave Healt, LE lubrication consultant (pictured), for providing the information used in this report.*





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