



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

*Metropolitan Detroit Area Hospital Service, Inc. – Michigan*

*Poensgen Continuous Flow Washers*



- *Saved more than \$5,000 a year in replacement parts*

### **Customer Profile**

Metropolitan Detroit Area Hospital Service, Inc. (MDAHS) provides laundry services for hospitals in the Detroit area. They have been an LE customer since 1982.

### **Application**

In providing laundry services for the Detroit area hospital, MDAHS uses three Poensgen continuous flow washers, model WBS74. These washers wash 1800 lbs of linen per hour and run 8 ½ hours per day, five days per week.

### **Challenge**

While using a commercial grade lubricant, they were experiencing excessive chain and sprocket wear. In addition, the nylon ring of the approximately four-foot diameter main bearing was wearing out prematurely. They had to replace the 1 ½" chain and sprocket every two years at a cost of \$1500 in parts and four to five hours of downtime. The large nylon ring was replaced every four years at a cost of \$6,000 and eight hours downtime.

### **LE Solution**

LE's Duolec® Vari-Purpose Gear Lubricant (1605) was recommended for both applications. Duolec 1605 is a high-performance gear oil acceptable for use in any industrial gear or bearing application that requires a high thermal stability, extreme pressure lubricant. It is fortified with a shear stable tackifier to provide adhesion to metal during use.

### **Results**

Since November of 1982, when Metropolitan Detroit Area Hospital Service installed all new parts and converted to LE gear oil, they have not had to replace any chains, sprockets or nylon bearing rings. That was more than 16 years ago. To date they have saved more than \$5,000 a year in replacement chain and sprocket costs and the associated 20 to 25 hours downtime. They have also eliminated two nylon ring replacements and 16 hours downtime. This is a minimum of \$80,000 savings in replacement parts alone.

*Thank you to Bodo Langusch, assistant general manager, and to Matt Pressnell, 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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