



## Multilec® Industrial Oil (6804)

### Major Grocery Chain in South Carolina

### Stokes Vacuum Pumps

- **Reduced oil consumption from one 55-gallon drum every week to one 55-gallon drum every 6-8 weeks**
- **Reduced oil temperature**
- **Reduced power consumption by 7%**

#### Customer Profile

A major grocery chain in South Carolina process and package coffee, spices, and food pouches. They have been in business since 1982 and an LE customer for six years.

#### Application

They use Stokes vacuum pumps to provide vacuum for brick pack machines and other packaging equipment.

#### Challenge

Oil drain intervals were unnecessary because the commercial brand oil evaporated so quickly out of the Stokes reservoirs. They were using one 55-gallon drum of the commercial brand oil every week as make-up oil. Oil temperatures were typically 220° to 240°F (104° to 116°C).

#### LE Solution

Greg Hasselbring, LE lubrication consultant, recommended Multilec® Industrial Oil (6804), which is a multi-functional, heavy-duty rust and oxidation inhibited, anti-wear oil for air compressors, vacuum pumps, hydraulics, bearings, pumps and gear applications. It has greater lubricity and excellent water separation ability. It combats acid hydrolysis in rotary screw compressors.

#### Results

Oil consumption was reduced from one 55-gallon drum every week with the previous lube, to one 55-gallon drum

every 6-8 weeks with Multilec 6804. The oil temperature dropped to 170°F (77°C). In addition, there has been a reduction of power consumption by 7 percent.

#### Other Products Used

Before a Lube Survey was performed, they were using 35-40 different products. They are now a 100 percent LE user with only 12 products. They use:

- Duolec® Vari-Purpose Gear Lubricant (1606)
- Quinplex® Food Machinery Lubricant (4024)
- Monolec® Industrial Lubricant (4701)
- H1 Quinplex® Penetrating Oil & Lubricant (4059)
- Quinplex® White Gear Lubricant (4090)
- Quinplex® Synthetic Oil (4046)
- Monolec® Hydraulic Oil (6520)
- Multilec® Industrial Oil (6803)
- Almasol® Dry Film Lubricant (9200)
- Monolec® Synthetic Industrial Lubricant (9320)
- Monolec Ultra® Engine Oil (8800)

*Thank you to Peter Placr, plant engineer, Maurice Towle, projects engineer, Wayne Royals, purchasing agent, Billy Marsh, maintenance mechanic, and to Greg Hasselbring, LE lubrication consultant (pictured), for providing the information used in this report.*





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