

**8440 MONOLEC® GFS ENGINE OIL**

**GLOVERSVILLE-JOHNSON WWTP, Johnstown, New York**

**Caterpillar G342 Engines • SIC 9199 General Government**

- **INCREASED OIL DRAIN INTERVALS**
- **ELIMINATED VALVE STICKING PROBLEM**



**CUSTOMER PROFILE**

Gloversville-Johnson Wastewater Treatment Plant is a joint plant for the cities of Gloversville and Johnstown, New York. Average flow is seven million gallons per day with a maximum of thirteen million gallons per day.

**APPLICATION**

Two Caterpillar G342, 6 cylinder, 225 hp engines burn methane gas generated in the two 1.5 million gallon anaerobic digesters. The gensets generate electricity to power the plant and excess heat heats the process.

**AREA OF INTEREST**

While using a commercial grade engine oil, drain intervals were ranging from 750-900 hours.

Methane is not a particularly clean gas. Sticky valves were a major problem requiring frequent maintenance overhauls.

**LE SOLUTION**

Lubrication Consultant Dave Healt recommended LE 8440 MONOLEC® GFS Engine Oil. LE 8440 is formulated for heavy-duty service. It is made from select

paraffinic base oil and it contains MONOLEC®, LE's exclusive wear-reducing additive.

**CUSTOMER COST SAVINGS**

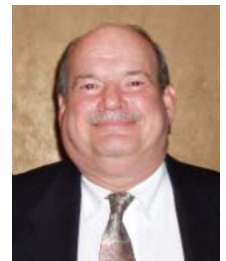
Since the conversion to LE 8440 MONOLEC® GFS Engine Oil, drain intervals have been extended to 1,200 hours. LEAP (Lubrication Engineers Analysis Program) showed the oil was capable of 2,000 hours if the filters were changed at 1,000 hours. Because the units must be shut down for filter changes, 1,200 hours was settled on.

Valve sticking is no longer a problem. Routine overhauls show that all internal parts are clean and show minimal wear.

Due to less downtime for oil changes and maintenance, energy savings are realized in more electrical generation and more excess heat to heat the process.

**OTHER PRODUCTS USED**

Oil Safe containers are used in the plant for routine maintenance operations.



**Dave Healt**

We would like to thank Maintenance Manager Dick Praetorius and LE Lubrication Consultant Dave Healt for the information provided to prepare this report.

Based on actual user experience. Individual results may vary. Product used not intended to supersede manufacturer's specifications.

**LUBRICATION ENGINEERS, Inc.**

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