# **Customer Testimonial**



# **Low Tox® Hydraulic Oil** (6603)

Sithe Energies, Inc. – Ford City, Pa. Cross Trash Rake

#### **Customer Profile**

Sithe Energies, Inc. operates power generation stations throughout the United States. LE lubrication consultant, John Hayes, services their Ford City, Pennsylvania hydrogeneration plant.

### **Application**

The Cross-Trash Rake System is hydraulically controlled. The rake is used to keep the hydro plant water intake stream free of solid river debris. Ambient operating temperatures run from 100°F to -15°F (37°C to -26°C). The trash rake operates on an "as needed" basis, clearing debris when it comes down the river.

#### Challenge

The hydraulic systems were experiencing water emulsification problems and sluggish operation in cold weather. In addition to these problems, they were noticing poor pump and hose life. They had been using an emulsifying oil to meet the environmental concerns of oil leaks in the river, but this product caused caustic burns to their personnel when the oil came in contact with skin.

#### **LE Solution**

John Hayes recommended LE's Low Tox® Hydraulic Oil (6603) to meet their environmental concerns and for low temperature performance. Low Tox 6603 offers

superior performance in lubrication, with long oil life and excellent wear protection. There is no worry of premature oxidation or failure of the lubricant as there is with most biodegradable vegetable oil based products. Low Tox Hydraulic Oils are based on USP quality white mineral oils and specially selected additives to provide a low toxicity product with good biodegradability. It also operates in such a way that it does not sacrifice lubrication performance or necessitate shortening of lubricant change intervals.

#### Results

Downtime is a critical matter to Sithe Energies. When the Cross trash rake is out of commission, they cannot let water into the hydro-generation plant, thus shutting it down. Low Tox 6603 has been in operation for three years, and is performing very well.

## **Other Products Used**

- Duolec® Vari-Purpose Gear Lubricant (1603)
- Almaplex® Industrial Lubricant (1275)
- Multilec<sup>®</sup> Industrial Lubricant (6803)
- Monolec® Ultra-Blend Engine Oil (8130)

Thank you to Bob Hanna, manager, and to John Hayes, 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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