

6603 LOW TOX[®] HYDRAULIC OIL
SITHE ENERGIES, INC., FORD CITY, PA

Cross Trash Rake • SIC 4911 Combination Utilities

**LE's LOW TOX Hydraulic Oils offer superior
 PERFORMANCE IN LUBRICATION, WITH LONG OIL LIFE AND EXCELLENT WEAR PROTECTION**

CUSTOMER PROFILE

Sithe Energies, Inc. operates power generation stations throughout the United States. LE Representative John Hayes services their Ford City, Pennsylvania hydro-generation 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.

AREA OF INTEREST

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

LE Representative John Hayes recommended LE's 6603 LOW

TOX Hydraulic Oil to meet their environmental concerns and for low temperature performance. LE's LOW TOX Hydraulic Oils offer 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.

CUSTOMER COST SAVINGS

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. LE's 6603 has been in operation for three years, and is performing very well.

OTHER LE PRODUCTS USED

- 606 ALMASOL[®] Vari-Purpose Gear Lubricant
- 1275 ALMAPLEX Industrial Lubricant
- 6803 MULTILEC[®] Industrial Lubricant
- 8130 MONOLEC ULTRA-BLEND[®] Engine Oil

We want to thank Bob Hanna, Manager and LE Representative John Hayes (pictured) 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.**

Leaders in Lubricants 

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