

Customer Testimonial



Monolec Ultra® Engine Oil (8800)

Glacial Sand and Gravel – Kittanning, Pa.

Tugboat and Dredge

- **Extended oil drain intervals from 250 hours to 1,000 hours**

Customer Profile

Glacial Sand and Gravel mines and processes sand and gravel in the Kittanning, Pennsylvania area. They operate an open pit sand mine and an open pit gravel mine. They have been an LE customer since 1994.

Application

Glacial Sand and Gravel operates two tugboats and a 1971 Manitowoc 4600 Dredge.

Challenge

The tugboats service a dredge recovering glacial sand and gravel from the upper Allegheny River. The dredge runs 80 hours a week. Glacial Sand and Gravel wanted to maximize operating time and extend oil drain intervals safely.

LE Solution

LE's Monolec Ultra® Engine Oil (8800) is used in the 420-hp 3408 Caterpillar engines of the tugboats and in the 630-hp Caterpillar engine of the dredge. Oil analyses are taken every 250 hours.

Results

Since using Monolec 8800, the oil changes are performed every 1,000 hours instead of every 250 hours. Oil consumption for the tugboats has been reduced to ½ gallon per week. They currently have more than 10,000 hours of operation with Monolec 8800. Oil consumption for the dredge is only 2 gallons per week. The Dredge has gone, on one oil change, 1,700 hours on Monolec 8800. Glacial Sand and Gravel previously rebuilt the dredge engine at 10,000 hours. They have now extended the rebuild interval.

Other Products Used

- Duolec® Vari-Purpose Gear Lubricant (1604-1605)
- Wirelife® Almasol® Coating Lubricant (2002)



- Almagard® Vari-Purpose Lubricant (3751-3752)
- Monolec® Multiplex Lubricant (4622)
- Low Tox® Hydraulic Oil (6601)
- Monolec® Power Fluid (7500)
- Almasol® Syntemp® Lubricant (9901)

Thank you to Glacial Sand and Gravel, and to John Hayes, LE lubrication consultant (pictured), for providing the information used in this report.





Monolec Ultra®, Duolec®, Wirelife®, Almasol®, Monolec®, Low Tox® and Syntemp® are registered trademarks of Lubrication Engineers, Inc.

Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

SIC 1442
LI70351 03-01

300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142
LE operates under an ISO 9001 Certified Quality System.



www.LElubricants.com
800-537-7683