Bioremediation Products
M-1000*™

Bioremediation of Chlorobenzenes Pilot Study using M-1000™

Project Description: A pilot study was performed for a major automobile manufacturer to evaluate the reduction And/or elimination of chlorobenes in mineral oils generated from transformers.

Treatment: Twenty-four gallons of contaminated mineral oil and 185 gallons of water were pumped into a 264 gallon stainless treatment tank. M-1000™ and nutrients were added to the oil/water mixture. The liquids were mixed occasionally to insure that the bacteria nutrients were completely blended into the mineral oil and water. The system temperature during the study varied from 10% - 40% C.

Results: Biodegradation of the chlorobenzenes did occur (the following results are from 343 days after treatme nt). Tetrachlorobenzene was reduced from 14,142 ppm to 0 ppm, a reduction of 100%. Prior to treatment Pentachlorobenzene was at 2,538 ppm and was reduced to 0 ppm, a reduction of 100%. Trichlorobenzene showed a reduction of 99.8%, going from 337,332 ppm to 558 ppm.