

# ChemTreat CL450 Easily Removes Oil and Grease Fouling

## BACKGROUND

A cooling tower at a 60MW power plant in the Southeastern United States was heavily contaminated with an oil-based lubricant. A heavy foam quickly developed, covering the cooling tower deck grates with a greasy, tar-like substance. Defoamer knocked down the foam, but the fouling above the waterline dried to a black tar-like substance that was difficult to remove. The customer attempted to remove the fouling with a power washer, but it was ineffective.

## SOLUTION

ChemTreat used a surfactant to attempt a more successful cleaning. CL450 was foamed onto the greasy deposits using a 50 percent solution made in tap water. The product soaked in for 10–20 minutes. When the customer used the power washer to clean the grates after applying CL450, the fouling was easily removed.

**Please note:** ChemTreat recommends having a defoamer on hand when using this product.

## RESULTS

The following photos show the greasy tar prior to the application of CL450. Side effects of the treatment produced additional benefits. There was a significant improvement in cooling water microbiological performance immediately after the cleaning that could be attributed to the surfactant's biodispersant properties. The customer was very happy with the ease of removing tenacious deposits after applying CL450.

**BEFORE CL450 TREATMENT**



**AFTER CL450 TREATMENT**

