



This crude sludge sample, retrieved from a production tank, was processed with Petromax. As seen in the jar to the left, the oil has been removed from the sand and is floating on top of our *water-based* formula.

This bench test was done by applying the necessary shearing action to mechanically remove the hydrocarbons from the sand and clay. Once removed, the oil will not re-attach to the solids. The total time required for this bench top application was 20 seconds, plus the settling time which was less than 5 minutes, thereby netting the results shown in the picture.

The shearing action necessary to remove hydrocarbons from inorganics can be obtained through hydro blasting. Typically, our technology utilizes hydro blasting to *condition* crude tank sludge with Petromax. This action instantly creates homogenous slurry that is capable of being pumped easily from point A to point B. The fluidized sludge will not stick to any hoses, pipeline, or secondary containment. In addition, the waste stream has been kept at a minimum for handling and transportation while adding only 15% to 20% of our product to the sludge.

Once the crude sludge has been removed from the tank bottom it is ready for oil recovery. In this particular case the client did not want the sludge to remain suspended and pumpable, but rather to have the solids drop out and recover the remaining oil. In this application the amount of Petromax and shearing activity is increased in order to achieve this goal. The left over sand was to be land farmed.

The Petromax solution used to remove the hydrocarbons is environmentally sound and can be recycled. Our product does not mix with the oil in any way and is not a surfactant.

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