

Barge Cleaning Industry Discovers Versatile Demulsifier

Problem

A barge-cleaning and oil reclamation company in Louisiana handles large volumes of contaminated products generated from the washing-out of barges that routinely carry oil, No. 6 oil, heavy residual oil, fuels, lubes, etc.

An all-purpose demulsifier was needed to treat the hydrocarbon phase for recovery of a high quality, saleable oil.

Solution

RECOVEROL ECO* demulsifiers were tested on several samples of contaminated oil, and ECO 47 was the most consistent over the range of oil types, extent of contamination and operating temperatures.

Results

The customer now treats 40,000 gallon batches of oil, ranging from 20-35% BS&W, by heating to 180-200^o F, mixing in 600-1000 ppm ECO 47 by adding to the oils and benefiting from the “rolling” action of the heated contents. After 2 hours, heat is shut off and the mixture settled for 1-2 days. The free water and floating solids are removed and the oil, analyzing at 1-3% BS&W, is recovered for sale.

The customer especially appreciates and praises the versatility of this reliable and cost-effect demulsifier.

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