

Railroad Recovers Thousands of Gallons of Clean Oil by Using Demulsifier

Problem

A major railroad company in the Northwest was not able to sell any reclaimed oil for 2 ½ years. Much of it was shipped out as sludge! Such negative economics were unsustainable, and a solution had to be found.

Solution

A new plant operator, who had used ECI demulsifiers for a variety of used oils, obtained 5 gallons of ECO* 700NG. From the very outset it looked as though the product was breaking the emulsion rapidly, reliably and over wide temperature range. Subsequent lab tests proved the selection.

Results

The client now treats waste oil as follows:

- * Oils generally analyze at 30-60% BS&W
- * 16,000 gallon batches are treated with ECO 700NG at ~3 gal/1000 gals, mixed by air agitation
- * Treatment temperatures range from ambient – 150°F
- * After 1-3 days settling, the water is drained to effluent treatment, and the oil analyzes at 1-2% BS&W
- * Client has shipped ~ 100,000 gallons of clean oil in the last 18 months

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