

Railroad Realizes Consistent Oil Recovery From Variable Waste

Problem

A major railroad company was facing problems of high water content in their reclaimed oil. The oily waste generated from draining and cleaning the locomotives was stabilized by a variety of degreaser/surfactants, which held up to 80% water in tight emulsion.

Solution

RECOVEROL* ECO 3NH, a wide-spectrum demulsifier for many types of waste oil, was selected by the railroad company's engineers after testing a large number of high-water lube/hydraulic oils.

Typically, at a concentration of 1500-3000 ppm, the water content of the oil was significantly reduced from 30-80%, down to less than 0.5% AT AMBIENT TEMPERATURE.

Results

The client now treats waste oil at several terminals as follows:

- * 20,000-30,000 gallon batches
- * Oil pumped to a receiving tank while metering in ECO 3NH at the transfer pump, at a rate of 1 1/2 - 3 gallons/1000 gallons.
- * Oil settled for 1-2 days.
- * Fairly clear water separates below a layer of clean oil.
- * Oil consistently below 1% BS&W.
- * Treatment cost 2-3 cents per gallon.

**Trademark of Emulsions Control, Inc.*

Emulsions Control, Inc. 2300 Tidelands Ave, National City, CA 91950; Tel (619) 656-8899; Fax (619) 477-7147