



# Demulsifier And Centrifuge Team Up To Tackle Waste Oil

### *Problem*

Jet-Line Services of Stroughton, MA is an industrial recycler treating a variety of waste petroleum products contaminated with water and solids. A 3-phase high-speed centrifuge was added to the system to speed up the rate of separation and improve oil quality. The demulsifier used in the system was not always successful, even at high concentrations. In addition, sulfuric acid was needed and separation often required several days.

### *Solution*

Tests were conducted on representative samples of oily emulsion under a variety of conditions. It was determined that RECOVEROL\* ECO 6N50 at 1000-1500 ppm consistently removed water and solids to less than 0.5% BS&W at 150°F.

### *Results*

The customer now treats 8000-gallon batches with 8 gallons of ECO 6N50 and centrifuges after brief contact. He reports rapid separation and consistently good recovery. The elimination of acid has alleviated safety problems associated with the handling of sulfuric acid. Furthermore, pH and odor problems are no longer a concern.

Not only are chemical costs reduced to one-fourth of what they were, but also the entire operation has become simplified and less labor intensive.

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