

Demulsifier Treats Waste Oil Without Heat

Problem

An oil recycler in Western U.S. was receiving high-water crankcase oil, contaminated with glycol and/or soluble oil. Gravity separation was no longer yielding acceptable oil. Not having a boiler, the reclaimer turned to ECI for help.

Solution

Samples of the oil analyzing at 15–20% water were tested at ambient temperature, (70–75° F and as low as 60° F). ECO* 80 at 2000 – 4000 ppm treated the oil to 1–2% BS&W in a consistent and timely manner.

Results

The client regularly treats 15,000 gallon batches using 2000–3000 ppm ECO 80 (30–45 gallons), and mixes with compressed air. Agitation is stopped when the oil had turned a uniform black color. After 2-4 days (depending on ambient temperature) clear water is drained, and oil with approx. 2% water recovered for sale.

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