



New Demulsifier, Amazing Blue*, Knocks Them Out Cold

Problem

Two waste oil recyclers were faced with the problem of economically dehydrating waste oil to produce a saleable product. Reduced efficiency was attributed to inability to heat all incoming streams, and the high cost of "boiling off" high concentrations of water.

Solution

A recently developed demulsifier, RECOVEROL* ECO 19(Amazing Blue), was tested by both companies. ECO 19 offered them the flexibility of treating various streams under different plant conditions. In both cases, high quality oil was recovered, and clear water separated from a concentrated layer of solids.

Results

Case I

The oil reclaimer in the Northeast, who processes low-water crankcase oil (5-15% BS&W), treats 20,000 gal. batches. 1.5 gal. of ECO 19/1000 gal. yielded clean oil (0.2-1% BS&W) after overnight settling at 160°F, or after 2-3 days at ambient temperature.

Case II

The oil reclaimer in the Great Lakes area processes tightly emulsified lube bottoms (70-80% BS&W). Using 900 ppm of ECO 19, 5,000 gal. batches are treated at 150°F. Overnight, the emulsion completely separates into clean oil, clear water, and a layer of solids. This customer plans to lower the working temperature to 100-120°F.

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