



New Oil Demulsifier, ECO 22-4, Many Applications

Problem

An oil recycler in the West receives oily wastes from numerous generators, averaging at 90% crankcase oil, 10% industrial and fuel oils. A demulsifier was needed to handle the anticipated variability in oil type, viscosity, BS&W and pH of the emulsified water. The treatment had to be fast, reliable and complete. A higher oil quality would enable the customer to market his oil at a higher price, not generally attained by his competitors.

Solution

RECOVEROL* ECO 22-4 had just been tailor-formulated for crankcase oil. It demonstrated the favorable properties of speed of action, good solids, as well as water, removal, and did not adversely affect the quality (disposal or treatability) of the separated water.

Results

The client now treats 25,000 gallon batches (10-15% BS&W), using 50 gallons of ECO 22-4. After overnight settling, as the oil cools down from 180-210° F to 160-180° F, BS&W is around 0.2%, with negligible interface generated, and low-oil, reddish water.

The client reports a 100% success rate, and sells the clean oil in the bunker fuel market.

P.S. ECO 22-4 is also finding success in de-ashing, and in treating lube/bunker oil mixtures, high-glycol lube bottoms and as a cold- treater.

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