



Military Facility Generates Valuable Oil from Costly Waste

Problem

A Naval installation generated a mixture of used oils, including JP5, marine diesel, lube oils, etc... The oil was of poor quality and did not respond to extended settling. A versatile demulsifier was needed to work at ambient temperature, and remove the emulsified water and solids.

Solution

Several samples of the used oil were tested singly and as a mixture. One product, RECOVEROL* ECO 53-60BC performed in every test at ~2000 ppm. Clean, bright oil was recovered in a timely manner, with fairly clear water separating under a small layer of floating solids.

Results

The customer now treats all used oils by injecting ECO 53-60BC into a common line which transfers the different streams into a 25,000 gallon tank. The demulsifier is injected in-line at ~2 gallons per 1000 gallons, ensuring complete distribution. After few days settling, the separated water and solids are drained, leaving clean, dry oil for sale.

[The military is doing something about reducing dependence on foreign oil. ***Rather than paying \$0.78 per gallon for disposal, the recovered oil sells for \$1.50 per gallon.*** Sludge disposal volume has been reduced from ~700 gallons down to ~30 gallons per batch].

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