

# Drum Reconditioner Discovers Benefits of Oil Demulsifier

### *Problem*

A drum Reconditioner in Southern California, utilizing the conventional caustic cleaning process, generated considerable volumes of a highly stabilized, high-water waste oil. Disposal costs escalated and a simple solution was sought.

### *Solution*

RECOVEROL\* ECO 31 was tested over a wide range of conditions and found to break the grey, viscous oil; consisting of a mixture of motor oil, hydraulic oil and gear oil. In combination with a small amount of sulfuric acid, ECO 31 at 2500-4000 ppm, resolved the emulsion rapidly, completely and consistently.

### *Results*

The client now treats his caustic-stabilized oils as follows:

- \* 5,000 gallon batches.
- \* Heated to 140-150<sup>o</sup> F.
- \* Sulfuric acid added to pH 7-8.
- \* 12-20 gallons of ECO 31 mixed by compressed air agitation for 3 hours.
- \* Water drop takes place within few hours.
- \* Overnight, clear, yellow water is drained off, and the bright, red-black oil is recovered; analyzing at <1% water and solids.
- \* The client reports a success rate of 100%.