



# Marine Industry Discovers Value of Modern Demulsifiers

### *Problem*

The marine industry is not immune from a problem that affects most companies dealing with petroleum products. In cleaning crude oil barges, in shipyard maintenance and in a wide range of transportation and environmental remediation operations, large volumes of oil become contaminated with water and solids, posing disposal and management problems. A critical need exists for the removal of these contaminants, and the recovery of marketable finished products.

### *Solution*

RECOVEROL\* ECO demulsifiers were tested on various contaminated oils, and were found to be effective in dropping the entrained water and solids at modest heating and chemical requirements. ECO products recommended had a well-earned reputation for quality, reliability and cost-effectiveness.

### *Results*

#### **Case I**

A marine transportation and cleaning services company in New York treats emulsions produced from vacuum-washing No.2, No.6 and engine oils. After free-water separation, the oil (at 30-50% BS&W) is heated to 180°F and 1500 ppm of ECO 6N50 are mixed in. After 2-3 days, the dehydrated oil is sold as a fuel oil supplement.

#### **Case II**

A barge cleaning company in British Columbia offers a mobile service for bunker tanks, Navy Ships, and fuel barges. The on-board oil-water separator recovers the oil phase (at 10-40% BS&W), which is heated to 160-180°F and treated with 2000 ppm ECO 13. After 1-3 days, the dehydrated oil is sold to an asphalt plant.

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