

# Cold Treatment of Waste Oil

### *Introduction*

The dehydration of waste oil has not been possible in the past without adequate heating. Consequently, reclaimers treating "very wet" oil were faced with high energy costs for distillation, and poor oil quality.

Emulsions Control, Inc. has developed the first demulsifier that requires absolutely no heating.

RECOVEROL\* ECO 3NH has treated oils with up to 70% water down to less than 1% in a few days, and at temperatures as low as 40°F.

### *Application*

1. Transfer wet oil to treatment tank whilst metering in ECO 3NH at 2-3 gallons per 1000 gallons.
2. Look for color change from grey to black/red, and ensure a complete color change. In addition, most high-water emulsions become less viscous when adequately demulsified.
3. Allow mixture to settle for 1-2 days and drain separated water. Sample oil for evidence of completed treatment. In some cases 3-4 days may be needed.
4. Residual BS&W is usually 0.5-2%.

### *Technical Service*

Emulsion Control, Inc. offers a complete package of preliminary system evaluation, chemical and dosage selection, the supply of chemical and the supervision of initial trials.

E.C.I. also has the ability to formulate tailor-made demulsifiers for unusual emulsion problems. Technical service and further information are available through your E.C.I. representative.

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