

Griesheim - February 16, 1937

BREAKING OF CRUDE OIL EMULSION

Experiments which were carried out to find suitable demulsifiers for Roumanian crude oil indicated that better results were obtained when the demulsifier was added to an oil which had been previously heated to 122°F., rather than add the demulsifier to the oil and heat the mixture subsequently.

Good results with emulsions under test were obtained with the product obtained by reaction of castor oil with 40 mols. of ethylene oxide. The reaction product of ricinoleic acid and 20 mols. of ethylene oxide showed also good efficiency as emulsion breaker, whereas the ether obtained from sperm oil alcohol and 28 mols. of ethylene oxide gave fair results.