

Influence of structural-group composition of sulphur-organic compounds on water solubility in model mixtures

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Abstract

© Published under licence by IOP Publishing Ltd. On model mixtures it is studied the solubility of water in transformer oil in the presence of sulphur-organic compounds of the general formulas $C_nH_{2n-11}S$, $C_nH_{2n-7}S$, $C_nH_{2n-5}S$, from 0,6 to 3,0% concentrations. It is established that the greatest dissolving ability of water in model mixtures have sulphur-organic compounds of the general formula $C_nH_{2n-11}S$ due to the greatest recurrence they have.

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