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IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment

Sponsor
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of the
IEEE Power Engineering Society

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Abstract: Recommendations are made regarding oil tests and evaluation procedures; methods of reconditioning and reclaiming conventional petroleum (mineral) dielectric oils; the levels at which these methods become necessary; and the routines for restoring oxidation resistance, where required, by the addition of inhibitors. The intent is to assist the power equipment operator in evaluating the serviceability of oil received in equipment, oil as received from the refiner for filling new equipment at the installation site, and oil as processed into such equipment; and to assist the operator in maintaining his oil in serviceable condition. The mineral oil covered is used in transformers, switchgear, reactors, and current breakers.

Keywords: inductors, insulation testing, oil circuit breakers, oil insulation, power distribution maintenance, power transformer insulation, switchgear

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(This foreword is not a part of IEEE C57.106-1991, IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment.)

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