

BASSI, Welson.;TATIZAWA,Hedio. Conductivity and Dielectric Dissipation Factor ($\tan \delta$) Measurements of Insulating Oils of New and Aged Power Transformers—Comparison of Results Between Portable Square Wave and Conventional Bridge Methods
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ABSTRACT

This article compares two different techniques to assess the oil quality of new and aged transformers. It is shown that laboratory $\tan \delta$ tests and measurements with a portable IEG 61620 square wave method result in comparable diagnostic classifications.

Keywords: measurement, conductivity, oil, insulating, dielectric,dissipation factor, tangent delta