

TJ/H₂b Analytical Services, Inc.

TECHCON: Conference for the Maintenance and Operation of High-Voltage Electrical Equipment

TECHCON 2008

January 28-30, 2008
Braselton, Georgia, USA

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571
www.proceedings.com

ISBN: 978-1-60560-130-4

Some format issues inherent in the e-media version may also appear in this print version.

TJ/H2b Analytical Services, Inc.

TECHCON: Conference for the Maintenance and
Operation of High-Voltage Electrical Equipment
2008

TABLE OF CONTENTS

Failure Analysis - Case Histories and Conducting an Equipment Failure Investigation	1
<i>H. Manger, J. Reynolds</i>	
The Life Cycle of Paper Insulation	16
<i>D. Platts</i>	
Transformer Risk Management Case Studies	30
<i>M. Theyerl</i>	
Back to Back Bushing Failures an Ongoing Investigation	53
<i>D. Bates</i>	
The Role of Condition Based Risk Management (CBRM) in Investment Planning for Refurbishment and Replacement of Electrical Assets	64
<i>D. Jones, D. Hughes, V. Burgess</i>	
What is the Service Life of a Transformer?	76
<i>D. Allan</i>	
Determination of Moisture in Solid Transformer Insulation from Dynamic Measurement of Moisture in Oil	84
<i>J. Aubin</i>	
Effective Monitoring Methods for Remote Transformer Diagnostics	97
<i>W. Knuth, H. Vogel, S. Lapointe</i>	
Transformer Factory Testing	112
<i>B. Forsyth</i>	
Medium and Large Transformer Redesign-Rewind Specification Considerations	135
<i>M. Haas</i>	
Demand for a New Generation of Insulating Oils	144
<i>B. Pahlavanpour, K. Sundkvist</i>	