

Electric Apparatus Condition Assessment Using Laboratory Diagnostics

1 message

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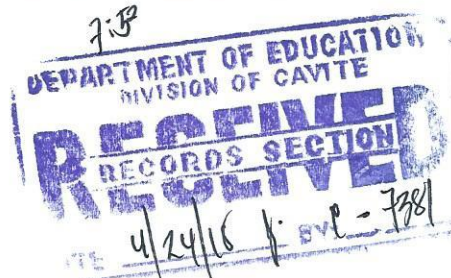
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Competency-Based Training for Global Excellence

**PAMAV**

TRAINING INSTITUTE & TECHNOLOGY CENTER INC.



Electric Apparatus Condition Assessment Using Laboratory Diagnostics

CPD Accredited

PamavTech is the most compliant with PRC for CPD accreditation

Who should attend

This course will enhance the understanding and increase competencies for:

- Asset Maintenance, Engineering
- Field Technicians
- Power Plant Chemists

Program Objectives

At the end of the program, the participants will be able to:

- Learn about the quality of oils on the market today
- Discover how knowing about the aging characteristics of insulating materials can help

- Oil lab chemists
- Electrical Engineers
- Engineering department staff
- Test engineers
- Cadet engineers
- Substation engineers
- Engineering faculty members

Register for this program

- you extend the life of your assets
- Learn how to take oil samples, to avoid common pitfalls and to save time and money by sampling only once
- Diagnose apparatus problems with dissolved gas-in-oil analysis
- Find out how to assess the condition of the paper insulation
- Detect the presence of incipient-fault conditions and categorize them
- Establish the correct method of analyzing the moisture-in-oil results
- Study the significance of dissolved and particulate metals and other particle contamination found in electrical apparatus
- Understand how to determine the condition of electrical apparatus using laboratory tests

Register for this program

Course Background:

The interactive seminar combines theoretical background with practical experience to provide engineers, chemists and others who review data with the vital knowledge and hands-on examples – including case studies – needed to interpret laboratory results to detect and identify problems with electric apparatus.



Topic Outline

- Dissolved Gases in Oil – The single most important diagnostic test
- Explosive gas concentrations –How to determine if there is excessive combustible gases
- Water in Oil – What you don't know can cost you a lot of money
- Aging Characteristics of Insulating Materials - Furanic Compounds, Degree of Polymerization, and the new Ethanol and Methanol tests for Condition Assessment
- Metals in Oil - An additional test to help identify problems
- Quality of New and Service Aged Oils
- Testing and diagnostics for LTCs and OCBs
- Overview on Sampling – How to obtain good samples and avoid common pitfalls
- Demonstration
- Practical cases



Subject Matter Expert's Profile:

David Koehler

Technical Manager, Doble Engineering

David received his Bachelor's Degree in Chemistry from Indiana University and obtained an M.B.A. He is the New Business Development and Technical Manager for the Doble Engineering Company Insulating Materials Laboratories. He has 20 years of

experience in the testing of insulating liquids and management of analytical laboratories. He has provided numerous technical presentations and published technical articles within the power industry. David is a member of the ASTM D-27 Technical Committee on Electrical Insulating Liquids and Gases. In 2016, David was elected by the IEEE Region 4 voting members to the position of Region 4 Director-Elect. In 2017-2018 David serves as the Region 4 Director-Elect, chairing the IEEE Region 4 Strategic Planning Committee. In 2019-2020 David will serve as the IEEE Region 4 Director, while also serving on the Board of Directors for IEEE.

Program Details

Program Schedule: July 23, 2018 and July 24, 2018

Program Fee: P38,250.00 per person

includes snacks, lunch, workbook, certificate

Venue: PamavTech Center

6th Floor **68 Kalayaan** VCP, Kalayaan Avenue, Teacher's Village West

Diliman Quezon City, Philippines

[Register for this program](#)



Questions? Contact us today +6323636800 or +639189075383

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