



Seminar

Current Trends in the Condition Assessment of Electrical Equipment

When: September 20, 2011

**Where: PT Guna Elektro, Jl. Arjuna Utara 50
Jakarta 11510, INDONESIA**



Testing of Insulating Fluids and Diagnostics

It has been estimated that transformer fluids contain 70% of the available diagnostic information for transformers. The challenge is to access and use it effectively. This Seminar will cover the insulating fluid tests that are useful for providing a comprehensive assessment of transformer, load tap changer and oil-filled circuit breaker condition. Discussion of the characteristics of insulating fluids, current issues the industry faces with insulating fluids and a discussion of understanding variation in test data will also be included.



Sampling Techniques and Managing Variation in Sampling

A poorly drawn or contaminated sample can negate the validity of a test result and an even lead to a potential misdiagnosis. Proper sampling techniques to ensure the collection of a representative sample will be discussed.



SF₆ Testing and Diagnostics (optional topic if time permits)

This section will cover diagnostic information that can be obtained from the analysis of SF₆ contaminants and breakdown products. Sampling, handling and processing of SF₆ will be included.



Presenters	Dave Hanson President, TJH2b Analytical Services (California, USA)
	Herman Vogel Vice President, TJH2b Analytical Services (North Carolina, USA)

About the Speakers

Dave Hanson has been active in the field of testing insulating materials and diagnosing HV equipment since 1978, after he received his Master's Degree in Chemistry from California State University. Dave is among the leading scientists in the development of equipment-specific diagnostic programs, which have transformed the maintenance practices of many utilities and industrial clients worldwide. He is an accomplished speaker and authority having published papers and conducted presentations at numerous major industry Conferences throughout the world.

About TJH2b Analytical Services

TJH₂b Analytical Services own and operate 9 laboratories throughout the world, making it the world's largest network of laboratory services specialising solely in the analysis of insulating materials used in high voltage electrical equipment. Our laboratory in Melbourne incorporates state-of-the-art equipment where highly accurate and repeatable testing is conducted to rigorous standards (see www.tjh2b.com for more).