



INTRODUCTION

TJH₂b Analytical Services own a highly successful suite of unique diagnostic programs for assessment of high-voltage equipment including Transformers, Tap Changers, Circuit Breakers, Ring Main Units and Gas Insulated Switchgear. Detailed interpretation of results is provided on all reports and TJ|H₂b is an independent laboratory service which does not provide any services other than testing.

DIAGNOSTIC PACKAGES

Transformer Condition Assessment (TCA[®]) is a transformer diagnostic that provides information on the overall condition of a transformer including specific faults, oil quality issues and the estimated Degree of Polymerisation of the cellulose insulation.

Tap Changer Activity Signature Analysis (TASA[®]) is our well-proven diagnostic for on-load tap changers. TASA[®] locates specific faults within the oil immersed components which in turn aids asset managers in planning maintenance and successfully avoiding failure.

Breaker Oil Analysis (BOA[®]) is our diagnostic for oil-filled circuit breakers. The goal is to minimize maintenance by identifying only those units in need of maintenance while at the same time identifying units on the verge of failure.

Breaker Gas Analysis (BGA[®]) for SF₆ filled Equipment. Like oil in oil-filled equipment, SF₆ can be sampled and tested to gain an assessment of equipment condition and fluid quality. TJ|H₂b have developed a unique and simple sampling method that can ensure a sample of high integrity is taken.

Live Tank Oil Sampling (LTOS[®]) for Ring Main Units enables completion of a series of fluid tests (with minimal disruption to the system) which will determine the optimum time required for maintenance. It will also identify units in danger of imminent failure which require immediate attention.

SAMPLING:

A vital part of any diagnostic testing program is to ensure that a truly representative sample is taken. MHL and TJ|H₂b have vast experience in this area and adopt worlds' best practices in terms of equipment and methods used. We have detailed procedures on all process as well as extensive experience at providing training.

“TJH₂b: The World Leaders in Condition Assessment”