EA Technology’s Oil Diagnostics offers a wide range of oil analysis tests on electrical insulating oil from transformer, switchgear units and tap changers, to determine their operational condition.

At our in-house oil diagnostic facility, we use state-of-the-art automated equipment with high-end precision to ensure our customers receive precise, readable and in depth analysis of their samples, fast.

**High value added solutions backed by unrivalled industry knowledge**

Our unique industry insight of electrical assets, expert knowledge of asset management and condition assessment techniques allow us to give our customers globally the high value added solutions they need to run their assets at optimum efficiency.

**We offer our customers:**

- Fast and flexible testing of samples – we offer some of the quickest turnaround times in the sector as well as urgent sample prioritisation
- Bespoke combinations of tests – our flexible oil analyses suites are created based on customers’ requirements
- At a glance summary of how your assets are performing – all our reports include an easy to understand ‘traffic light’ summary, which clearly indicates whether action or invasive maintenance is required or not
- Reports in a format that suit your requirements – our report formats are customisable and flexible whether you require individual or full site reports
- In-depth knowledge of oil analysis interpretation and trending of oil results
- Interpretation of what the results actually mean to your asset base – having over 40 years’ experience of working with electrical assets gives us unique insight into oil analysis results
- A method of managing electrical assets more efficiently through Health Index Assessments
Oil Diagnostics for Transformers and Switchgear

Transformer Oil Analysis and Live Tank Oil Sampling are utilised to understand the internal condition of the units which can be used to make well informed asset management decisions.

Effective maintenance planning with Transformer Oil Diagnostics

Transformer Oil Analysis provides a highly accurate indication of the condition of a transformer, and where it is within its lifecycle. This allows customers to plan maintenance, refurbishment and replacement more efficiently and cost effectively.

Key benefits of Transformer Oil Analysis:
- Helps calculate the probability of failure and end-of-life
- Identifies degradation before it leads to failure
- Is essential for effective maintenance and replacement strategies
- Allows testing to be done at low cost
- Offers excellent return on investment

By combining results of oil analyses and on-site surveys with other background information and our sector experience, we can produce a full Health Index Assessment for each transformer enabling our customers to make strategic investment decisions regarding repair, refurbishment and replacement programmes.

Switchgear Oil Diagnostics - Optimise Maintenance intervals with Live Tank Oil Sampling

Live Tank Oil Sampling (LTOS) is our unique and cost effective oil analysis technique for sampling switchgear units, which minimises switching requirements.

Key benefits of adopting an LTOS programme:
- Saves money by eliminating wasteful, time-based maintenance
- Minimises disruption to the network in a cost effective way by obtaining samples while part of the unit remains live
- Measures oil condition accurately, indicating if maintenance is required
- Safely extends periods between maintenance interventions
- Warns of switchgear degradation before it leads to failure
- Increases asset reliability while also reducing costs

For more information on Oil Diagnostics
Call 0151 347 2313, Email sales@eatechnology.com, Visit www.eatechnology.com/oil-diagnostics

Safer, Stronger, Smarter Networks