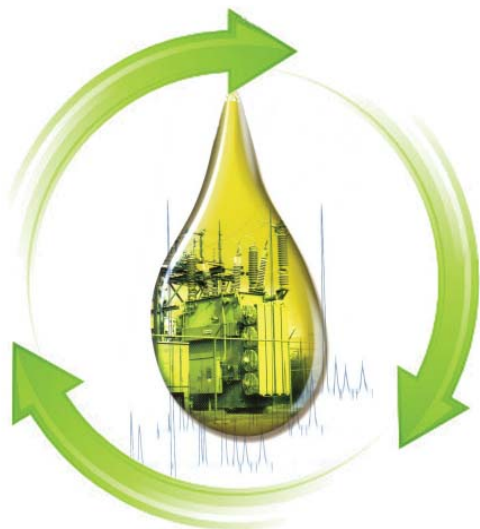


ProDiag Oil

Diagnostic on the Oil distribution & Medium Power transformer status



What is ProOil?

Designed by Schneider Electric, ProDiag Oil goal is to mitigate the risks over any oil transformer dysfunction as origin of unwanted effects. The symptom of transformer dysfunction is the dielectric oil degradation. Its consequences can be the transformer energy inefficiency (risk of overheating), electrical arcing, the fire or destruction of transformer and downstream Electrical Distribution equipments, even the complete electrical room destruction.

ProDiag Oil helps you to adopt, manage and enrich your maintenance plan. ProDiag Oil predictive service delivers an exhaustive reporting with the oil transformer diagnosis, depending on the service contracted. ProDiag Oil is available in 2 packs:

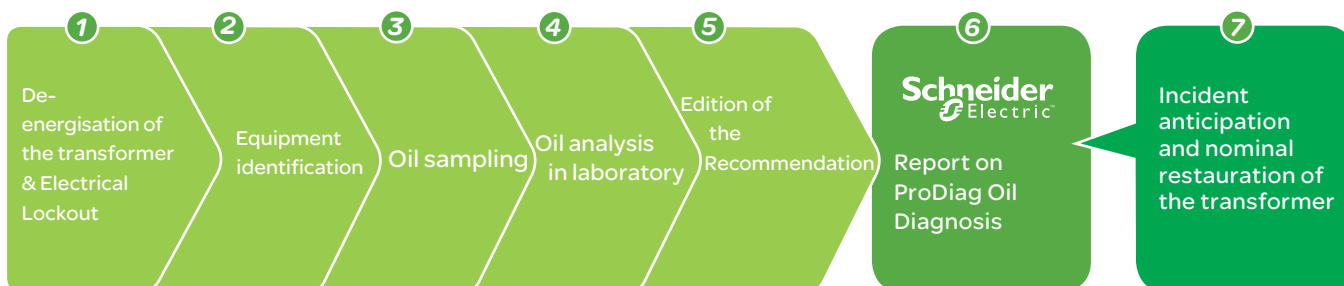
- Pack 2+: To characterize the level of quality of the dielectric liquid, (Breakdown voltage, Water content, Acidity, Color index, Appearance) and internal fault properties through DGA (dissolved gases analysis)
- Pack 3: To check the solid insulation performance including Pack2+ and Measurement of furan derivatives, specially recommended for Power Transformers.

A written report presented by Schneider Electric Services representative will propose the anticipation of the corrective action. The corrective plan might consist on the maintenance, repair or replacement of the oil transformer to get it back to the original performance in safety and continuity of service. You will enrich your preventive maintenance plan with this corrective action for the most convenient time per transformer. ProDiag Oil diagnostic could be realized on most oil distribution transformers and medium power transformers.

ProOil objectives

- Your priority:
- Safety (Human Life and asset)
 - Enhance the reliability of your installation 24x7
 - Optimisation of installation life duration & costs
 - Oil transformer risks prevention of:
 - Dielectric degradation
 - Arcing
 - Electrical Fire

Yearly analysis of oil dielectric characteristics as per manufacturer's recommendations is the best peace of mind to safeguard the Oil Transformer performance as per original specifications, reinforce safety and downstream ED equipment, extend its lifecycle and secure its continuity of service as main customer value. Treating Oil transformers and maintaining their dielectric characteristics, prevent deterioration due to ageing, reinforce safety and maintain continuity of service.





Results

The transformer’s oil is sampled on customer site and sent to Schneider Electric Laboratory or Certified Partner Labs. These samples are analyzed and compared with proprietary measurements data base over original oil distribution transformers collected from Schneider Electric factories. The aim is to know if samples measurements are within the acceptable range, in the limits or outside them, as criteria for oil transformer conformity and expert recommended actions. Schneider Electric as Electrical Distribution equipment manufacturer has the unique competence to develop / invest for specific tests tools, and a testing methodology (reporting) to conduct oil transformer diagnosis, this is, ProDiag Oil proprietary solution. ProDiag Oil analysis are performed by Schneider Electric laboratory with COFRAC & AFAQ certifications

Where can ProDiag Oil reduce costs?

- By preventing future dielectric problem which accelerate ageing of your transformer
- Thanks to a long history tracking, a device’s normal operating life is increased by timely diagnostics of when and what repairs are necessary

ProDiag Oil executes the assessment of de-energized equipment.

ProDiag Oil: The most reliable way to know the health status of any oil transformer



ProDiag Oil is part of a comprehensive range of services for your electrical distribution installation



Schneider Electric Industries SAS

35, rue Joseph Monier
 CS 30323
 F - 92506 Rueil Malmaison Cedex (France)
 Tél. : +33 (0)1 41 29 70 00
 RCS Nanterre 954 503 439
 Capital social 896 313 776 €
 www.schneider-electric.com

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.

Design: Schneider Electric Industries SAS
 Photos: Schneider Electric Industries SAS - France Transfo
 Printed:

