



FLUIDEX

Africa's leading private Power Generation, Electrical and Mechanical Repair Facility

The Fluidex oil regeneration facility at LHMartinussen is fully operational and is providing the intended support service to the transformer workshops and field service team as well as the industry at large.

The facility comprises a fully automated, PLC controlled, 60 column regeneration plant, capable of producing 4000,000 litres of oil per month, 2 dedicated oil purification machines and a SCADA / PLC controlled tank farm, which links all the equipment (and laboratory) into the control process. For instance, all receipts - and deliveries of oil are automatically recorded and linked to a test report number, in order to ensure that the laboratory has performed the necessary tests prior to receipt / despatch. Fluidex owns two 30kl stainless steel tankers, which facilitate the collection and delivery of oil.

Fluidex offers its services to the open market, ranging from oil regeneration (<20ppm PCB); oil regeneration (zero PCB); new oil supply; and oil analysis.

The tank farm control system has built-in controls for safety-, environmental- and quality aspects of the business, and as such has been granted an EIA approval and Section 20 waste permit by the relevant authorities. More recently, the Fluidex facility has been subjected to various accreditation audits and now boasts ISO 9001:2000; ISO 14001:2004; NOSA 5 Star and SANS 555 accreditations.



THE FULLY EQUIPPED LABORATORY CAN PERFORM ALL THE TRANSFORMER DIAGNOSTIC TESTS AS FOLLOWS:

- MOISTURE
- DIELECTRIC STRENGTH
- ACIDITY
- DGA
- FURANICS
- OIL QUALITY TESTS-TO DETERMINE COMPLIANCE WITH SANS 555
- TAN DELTA
- VISCOSITY
- IFT
- OXIDATION STABILITY
- PCB
- CORROSIVE SULPHUR
- FTIR
- SILICONE CONTAMINATION

