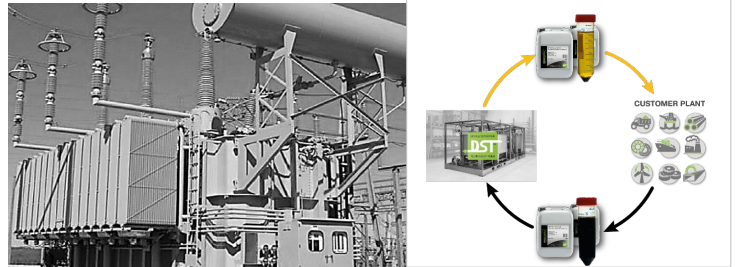


Transformer oil

Oil Service Company
USA



Problem

An American oil service company collect yearly 3 million litre of isolation oils. Recondoil received samples of Discarded Ergon Hyvolt insulation oil used in transformers. The service company want to find methods to regenerate the discarded oil and restore its properties back to the original shape.

Solution

The oil was treated with DST technology process for insulation oils developed by RecondOil.

The RecondOil DST treatment is a two phase liquid-liquid process method with no clay or other inorganic filter material. The process uses very little energy consumption and produces extremely little waste and recovery rate is up to 99% of volume discarded oil.

The oil was analysed before and after treatment and compared with a virgin Ergon Hyvolt of the same quality.

Result

- ✓ Restored dielectrical strength
- ✓ Reduced Peroxid numbers to non-critical levels
- ✓ Reduced Water content
- ✓ Reduced Cupper and Iron content below detection level.
- ✓ Reduced warnish potential (MPC)
- ✓ Oil containing waste of process is less then 1% of total volume
- ✓ The waste is totally organic and is suitable for energy recover.

The Oil has similar qualities as a virgin oil and can be reused.

Closing the loop for insulation oils.