

## Practical guide

# Valuable tips when you have to replace the oil in your transformer

You can choose from various options to improve the quality of the transformer oil:

- The transformer oil may be dried, filtered and degassed using an oil processing system.
- The transformer oil may be replaced by new or recycled insulating oil.
- An insulating oil regeneration is recommended, which contributes to the deep cleaning of the insulating oil AND the entire insulating system.

In case any of the above three steps are recommended in the asset management plan, you should consider the following points to assess the service company to be selected:

## Specialist disposal company

- Is the company you hire to change the insulating oil authorised to transport and dispose of the used oil?
- Is it a certified waste management company?
- If this is not the case, does it agree to a take-over certificate?
- Does the company have the appropriate equipment and tools to do the work?
- Have the hoses, for example, been tested?
- Is the equipment regularly serviced and flushed with fresh oil?
- Does the process plant give a clean and well-maintained impression?
- Have the operators been adequately trained, demonstrate the required competencies, and undergo regular training sessions associated with this type of work?

## Cost estimate / quotation

- Have you received a cost estimate or quotation from the service provider and what do they contain?
- Is the nature and scope of the work clearly presented?
- Does the estimated labour time seem realistic?
- How high are the estimated labour costs and the costs for the required materials?
- Can deadlines or commitments be made?

- How long is the estimate / quotation valid?
- Is there a clear contingency should the work or site experience delays?

## Emergency plan / risk assessment

- What dangerous situations can occur?
- What mistakes can be made?
- To what extent is the service provider prepared for emergencies?
- How does the service provider deal with contamination by hazardous substances?
- Or what happens if, for example, the insulating oil is not heated or not heated enough and then processed?
- Does your selected service provider provide accurate and representative RAMS (Risk Assessment & Method Statement)?

## Project planning

- Has the service provider received all the information he needs?
- Are further preliminary investigations or appointments necessary?
- Have the responsibilities on all sides been defined?
- Where are the priorities?
- What is the time sequence of the measures?
- Does it fit in with your own procedures?
- Is an emergency generator on site?
- How are the experiences documented so that they can be used for future measures?
- To what extent does the project plan allow for scheduling flexibility, e.g. for supplementary work?

We are happy to assist you as a long-standing partner of the energy supply industry to carry out your order professionally and cost-efficiently. We also offer you EOS® Premium, a high-quality recycled transformer oil - for more sustainability in your company. Trust our 70 years of expertise in insulating oil processing and transformer maintenance.

### Contact us today:

Electrical Oil Services

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