

Background

A regular industrials customer had several transformers located on a rooftop 300 feet above the ground, some had failed to meet BS EN 60422:2013 due to excessive moisture and /or low dielectric strength.

Solution

On-site purification was decided as the way forward.

With a crane already scheduled to be on-site for other works within the major shutdown it was the ideal opportunity to take our mobile purification and generator to carry out the works on the roof.

The roof strength was assessed vs the weight of our mobile purification plant and generator, the crane company prepared the lifting plan and the approval to proceed was given.

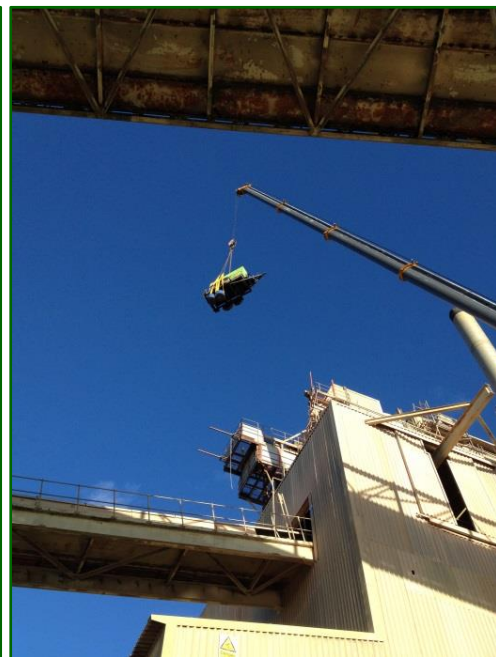
Once located on the rooftop the works were as simple as all other purification works.

Post works oil analysis found that the dielectric strength and moisture levels had improved to exceed BS EN 60422:2013 by a clear margin and the site was back online within the original shutdown window.

As is typical with on-site purification, the transformers oil continued to far exceed BS EN 60422:2013 for years after until they were eventually decommissioned due to other changes at the site.

Eden Transformer Oil has over thirty years' experience of insulating oils and a range of equipment to meet any situation from basements, to roof tops to offshore wind farms. We also have dedicated MIDEL 7131 equipment that enabled us to become the first accredited MIDEL Service Partner.

In addition to on-site purification we can supply all types of insulating liquids from stock and offer transformer sampling to BS EN 60475:2011 and the entire range of analysis for monitoring a transformer's suitability to be in service.



About Us

Eden was formed by Alan Denbow and Eddie Gregory in August 1985.

Former employees of Burmah Castrol, they realised that the vast majority of electrical engineers were simply replacing expensive transformer oil without fully appreciating the additional technical benefits of purification to the electrical equipment, and that Eden could achieve a more convenient solution at a significantly lower cost.

In more recent years the treatment of transformer oil is the first choice for a cost effective and efficient maintenance program: the increasing cost of new oil, the importance of productivity and equipment downtime, coupled with the environmental benefits of avoiding the transportation of hazardous waste and use of virgin products, are all part of the equation.

As well as providing on-site transformer oil treatment, if needed, Eden can supply and install new or reconditioned insulating liquid and provide all of the on and off-site sampling and analysis to ensure transformers are supervised and maintained according to British Standards (BS EN 60422:2013) and insurance underwriters requirements.

Our online store is ideal for customers requiring smaller quantities of insulating liquids, desiccant breathers, spill kits and other regularly used consumables. All of our products are sourced in the UK and used on site every day by Eden staff, so they are tried and tested in the field.



Registered Address

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Waste Carrier License: CBDU1214230 **Waste Storage Permit :** EPR/BB3506LF