

22<sup>nd</sup> June 2009

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FAO Adam Watton



*When calling please ask for:*

Ben Satur  
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Dear Adam,

**RE: Power Patch Kit**

Following our meeting on site in Bedford on 15<sup>th</sup> April 2009 I am pleased to positively report back on it's effectiveness.

After discovering the product on the internet and making an enquiry I was pleased to hear that the Power Patch Kit was available in the UK and that two kits were to be supplied to us for a trial.

We had a common situation where an 11kV transformer had developed an oil leak that needed intrusive works to rectify.

The transformer is a privately owned unit which we found, after speaking to the customer, could not be turned off until Christmas 2009.

This presented two issues;

- Firstly the oil leak was sufficient enough to have drained a considerable amount of oil out of the tank by Christmas, preventing the cooling process of the oil by natural convection, contaminating the ground and possibly exposing live conductors.
- Secondly it presented the customer with an increased cost due to staff having to work over Christmas.

I mentioned to the customer that I had found the Power Patch Kit and that although we had never trialled one before, it may be worth using one to stop or slow the oil leak.

We agreed that it would be worth a try and a Power Patch Kit was used to try and prevent the leak.

The instructions and examples on the internet show the kit being used on small holes in the tank, but this leak was coming from a seal on the drain valve. This, however, did not cause any problems, the kit was easily applied following the supplied instructions and everything needed was found in the kit.

We were impressed with how easy it was to apply and how quickly the process was over.

From the outset it looked quite effective, the seal looked good and the drain valve remained operable.

The Power Patch Kit has now been in use for 10 weeks and so far there has not been a trace of oil from the leak.

This has solved both of the issues highlighted before and has given us another option when we discover oil leaks other than the need for intrusive maintenance.

If you have any questions, please call me on the number below.

Yours sincerely



Ben Satur  
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EDF Energy Contracting  
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