



Transformer Oil Leak Case Study

OXIFREE®
METAL PROTECTION

Transformer oil leak solution



Location	Lunanhead
Local Environment	Substation
Date	July 2014
Condition	Dry
Total Coatings	1
Substrate Type	Transformer
Duration	1 Day

Summary

SSE contacted Oxifree as they had an oil leak on a transformer at a substation in Lunanhead.

Objective

Oxifree were commissioned by our client to provide a solution to the oil leak on the transformer

The client was looking for a short to medium term repair (10 years) until the repair work could be scheduled.

Process

The first step was clean the surface and remove any oil to establish the location of the oil leak. Two visible holes in the weld were identified.

Solution

The agreed solution was for the client to firstly apply a repair putty to the leaking area, then apply a repair wrap and finally Oxifree to apply two layers of Oxifree TM198 to give an overall thickness of approximately approx. 4mm.

The project was completed by an Oxifree team consisting of a supervisor and an application technician.

Conclusion

The project was completed, the oil leak was stopped and Oxifree have not had to return to this site, so the project was deemed a success.

Before



Holes found



Application of repair bandage



Completed

