

PowerPatch[®] Pad-Mounted Transformer Repair at Sierra Pacific Power

Problem: This transformer was hit by a snow plow. After the crews leveled the transformer back on the pad they discovered that the plow had caused a small hole on the corner and oil had started leaking out of it. They decided to try PowerPatch[®].

Solution: Sierra Pacific crews repaired the hole using the normal PowerPatch[®] process and product. The surface was cleaned with a [Type TR[™]](#) solvent wipe included in the complete PowerPatch[®] kit (catalog #EP-KIT) and then sanded using a 100-grit sanding cloth. The surface was sanded to improve adhesion and remove any sort of contaminant, such as rust, salt and dirt, and then wiped again with a Type TR[™] solvent wipe. During the cleaning and sanding process another worker was kneading the putty stick, which requires approximately 5-10 minutes of preparation before applying. The putty stick patch should be applied immediately after the cleaning process to prevent oil from leaking onto the outer surface. The crews kept pressure on the putty stick in order to plug the hole and stop the leaking. Once the putty stick patch was applied, the PowerPatch[®] parts A & B were mixed together. The mixture was applied over the putty stick surface and the transformer to lock down the putty stick, creating a permanent patch.

Results: PowerPatch[®] stopped the leak in the transformer and the crews were satisfied with the results.



Transformer hit by snow plow.



PowerPatch[®] being applied to transformer.