

SYLWRAP Case Study

Camper Van Boiler Copper Pipe Repair

A cracked copper pipe in a camper van boiler system leaking water whenever the heating or hot water was turned on undergoes repair despite limited access space



The crack in the copper pipe was difficult to access. Whenever the boiler system was turned off, a jet of pressurised water sprayed from the hole

Defect

Whenever the boiler system was switched on to provide a heat or hot water for the camper van, a pressurised jet of water sprayed out the crack.

The hole was located in a section of pipe underneath the boiler cover and facing towards the casing. This meant space to access the leak was very restricted.

It was therefore impossible to fit a pipe repair clamp over the leak, or for a self-amalgamating waterproof repair tape to be stretched by the required amount to successfully fuse into a solid rubber band.



Superfast Copper was kneaded by hand and used to cover the hole and surrounding areas of the pipe

Solution

As the boiler could be turned off, **Superfast Copper Epoxy Putty** was used to seal the hole. The pipe was cleaned and dried before application to aid the adhesion of Superfast Copper to the metalwork.

The putty was kneaded by hand and applied to cover both the hole and surrounding area. It hardened within 10 minutes to fill the crack with a waterproof material.

A **SylWrap HD Pipe Repair Bandage** was then applied around the entire pipe for reinforcement.

Wrapping in the normal manner was not possible due to the space constraints, so the bandage was cable tied to the pipe whilst it cured.

Result

Once the repair was completed, the boiler was turned back on. No water was escaping the pipe, denoting a successful application.

The van owner saved a considerable amount of money by repairing the pipe themselves compared with replacing the leaking section or hiring a plumber.



The space constraints meant SylWrap HD was cable tied in place whilst it cured, reinforcing the repair with a rock hard, protective outer shell