

# SYLWRAP Case Study



## Camper Van Boiler System Pipe Repair

A difficult-to-access cracked copper pipe in a camper van boiler system losing water whenever the system was turned on is repaired by the van's owner



*Crack in the pipe was difficult to access. When the boiler system was turned on, a pressurised jet of water sprayed out.*

### Defect

Whenever the boiler system - which provided heat and hot water for the van - was turned on, a pressurised jet of water sprayed from the crack.

The hole was located in a section of pipe under the boiler cover and facing towards the side of the casing, meaning access was very restricted

This confined space meant there was no room to fit a clamp or for a self-almagamating silicone repair tape to be stretched enough for effective fusion.



*Superfast Copper plugged the hole in the pipe*

### Solution

As the boiler could be turned off, Superfast Copper Epoxy Putty Stick was used to plug the hole. The pipe was cleaned and dried prior to application to aid the adhesion of putty to metalwork.

The putty was kneaded by hand and applied to a section of pipe both above and below the area of damage. It hardened in 5 minutes, filling the crack.

A SylWrap HD Pipe Repair Bandage was then applied to cover the entire pipe. Because of the space constraints, wrapping in the normal manner was not possible and so the camper van owner cable tied the Bandage to the pipe whilst it cured.



*Space constraints meant SylWrap HD was cable tied in place whilst it cured to reinforce the pipe*

### Result

Once the repair was completed, the boiler was turned back on. Water was no longer escaping from the pipe, denoting a successful repair.

The camper van owner had saved a considerable amount of money compared to the cost of hiring a plumber or replacing the damaged pipe.

