SYLWRAP Case Study

WRAS APPROVED PRODUCT

CHP Plant High Temperature Pipe Repair

A pipe in an automotive company's on-site CHP Plant required a versatile repair with high temperature resistance to prevent a disruptive shutdown

The leak area was situated on a very difficult section of the pipe, making the repair challenging

The high temperature resistance and versatility of Wrap & Seal made it ideal for sealing the leak

SylWrap HD provided an impact resistant layer over the initial repair. It tinged red because of the high temperature but could be painted to match the pipe at a later date if required

Defect

The leak was on an elbow joint on a pipe operating at temperatures up to 120°C as part of the system in a Combined Heat & Power (CHP) Plant.

Shutting down the CHP Plant to carry out a repair or replacement would have resulted in considerable disruption to the factory.

Solution

To seal the live leak, **Wrap & Seal Pipe Burst Tape** was wrapped around the elbow, encompassing the entire joint through its versatility. It fused to provide a high-pressure repair temperature resistant up to 200°C.

A **SylWrap HD Pipe Repair Bandage** was then applied over the Wrap & Seal as a protective layer, turning the repair permanent. The Bandage tinged red as a result of the pipe temperature. If the factory wished for it to be uniform to the pipe, then they could paint it at a later date.

Result

The automotive company were impressed with the ease of the repair and that the CHP Plant could remain in operation while work was carried out.

Sylmasta have recommended the factory stock the Pipe Repair Contractor Case, containing enough products to make up to 6 live leak repairs. Keeping a Case on a site with a considerable amount of pipework enables cost-effective emergency repairs to be carried out as soon as leaks arise.

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