

SYLWRAP Case Study

Boat Engine Leaking Rubber Hose Repair

A rubber hose connected to a boat engine undergoes repair after developing a pinhole leak in an area of the vessel which was extremely difficult to access



The boat could not sail safely whilst the hose leaked

Defect

The hose carried water as part of the cooling process, which was spraying out of the pinhole at high pressure whenever the engine was in service.

Repairing this dangerous leak was made difficult as the hose was in a confined space below deck, surrounded by other pipes and engine components.

Solution

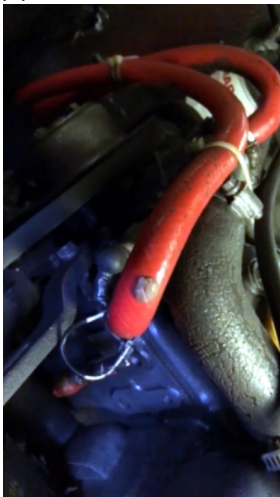
The boat owner contacted Sylmasta seeking a versatile repair method capable of being effective despite the inaccessibility of the hose. A **SylWrap Standard Pipe Repair Kit** was sent to the boat.



The pinhole was on a section of red coloured rubber pipe where access was severely restricted

First, the pinhole was sealed with **Superfast Steel Epoxy Putty**. The putty was kneaded by hand and applied over the leak area whilst soft.

It was then overwrapped with a **SylWrap HD Pipe Repair Bandage**. As SylWrap HD was wrapped and smoothed around the hose, it forced the putty further into the pinhole as it cured, completely sealing the leak.



Superfast Steel was applied to the pinhole, followed by a SylWrap HD Bandage to seal the leak



After both Superfast Steel and SylWrap HD had set, a permanent repair with pressure resistance up to 30 bar and temperature resistance to 120°C had been created.

Result

When the boat engine was started, no water was escaping from the hose. This indicated a successful repair and meant the vessel could return to the sea.

Completing the application took under 30 minutes and cost less than £30. This represented a large saving compared to quotes provided by marine engineering specialists to fix or replace the hose.