



CLOCK SPRING®

Caisson Leak Repair

The Clock Spring Leak Stop and Snap Wrap system has been utilised by a major offshore operator in Australia to repair a number of leaking defects on a 36" caisson.

The repair installation was conducted and completed by Heath Pipeline Services Pty Ltd, an approved Clock Spring representative and qualified installation company in the region.

The caisson was shut down for the duration of the repair and a description and brief schedule of events for the repair completion are:



Fig 1

07.30 – 10.00 a.m. blast clean the caisson, NDT inspection, round out and clean away thin steel from the hole and de-burr, perform a secondary blast clean of the repair area (*fig 1*).

10.00 – 10.30 a.m. make ready and prepare the Clock Spring repair materials on the platform.



Fig 2

10.30 – 11.45 a.m. apply leak stop sealing material onto a thin application plate, install and tension complete plate over the hole areas. Allow the leak stop material to cure and remove tension straps (*fig 2*).

12.30 – 06.00 p.m. apply the 6 x 36" Snap Wrap repair kits and clean the repair site (*fig 3*) and install client's specified corrosion coating.



Fig 3



Fig 4

06.00 p.m. caisson returned back into operation (*fig 4*).

In summary the scope of work was completed within the allotted shut down period and the caisson successfully returned to operation.

FOR FURTHER INFORMATION ON CLOCK SPRING® REPAIR SOLUTIONS CONTACT:

**Clock Spring Company, L.P. UK, 4A The Causeway, Godmanchester
Huntingdon, Cambs, PE29 2HA, England**

Telephone: 44 1480 414703 • Facsimile: 44 1480 414705

Email: sales@clockspringuk.com