

Epoxy Injection

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Client: Norwegian Operator
Product: Epoxy Injection Repair Clamp
Year/Delivery: 2013
Location: Norwegian North Sea

PROJECT DESCRIPTION

Repair of severely corroded 6" water injection flow line in a subsea manifold.

Installation of split clamp with soft packers and injection of the epoxy in order to replace and support the pipe wall at the corroded areas.



The Epoxy skid with 4 product cylinders and frame

OPERATIONAL PARAMETER

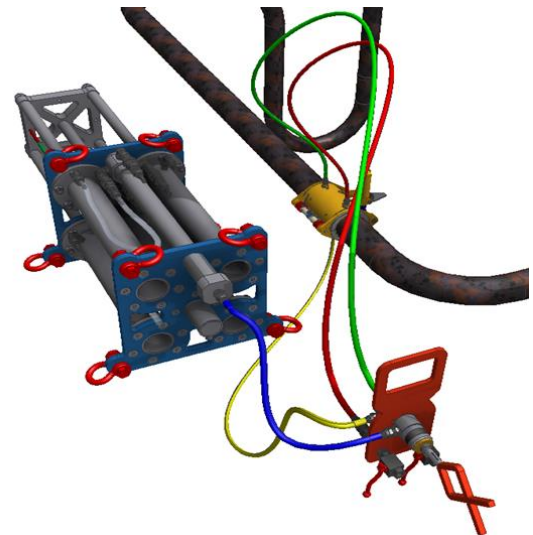
Main operational parameters of the leaking location:

- Depth: 150 m
- Fluid: Water
- Maximum operation pressure: 250 bar
- Maximum flowing temperature: 20°C
- Seawater temperature: approx. 4°C
- Epoxy volume: 2 - 5 litres each clamp

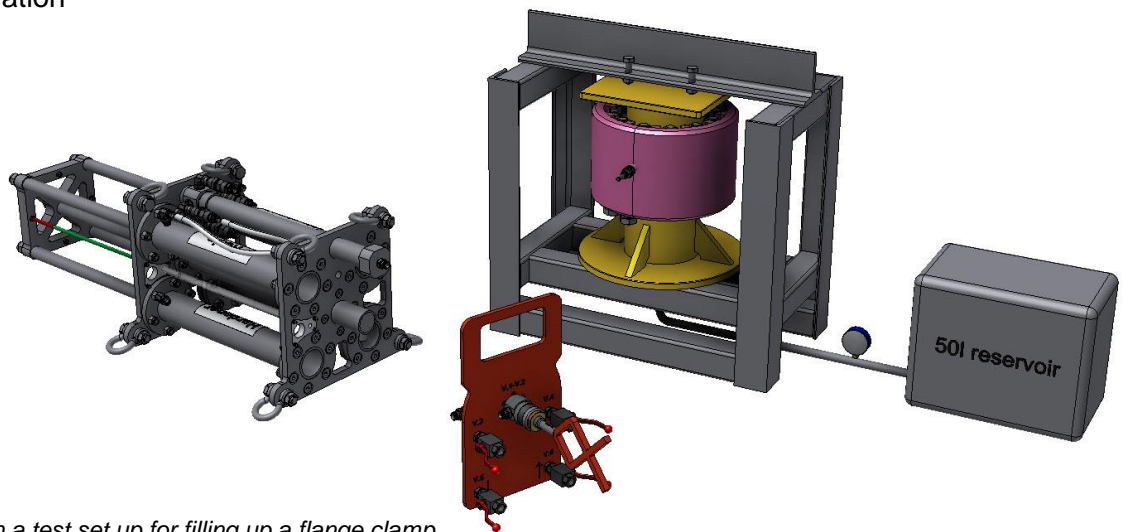
EPOXY SKID FUNCTION

Parameters

- 2 + 2 cylinders for resin & hardener
- Hydraulic operated
- Static mixer of the components
- ½ hoses and stabs / receptacles
- Material; aluminium / stainless steel
- ROV / diver operation



Epoxy skid and repair clamp on the 6" line



The ROV injection skid in a test set up for filling up a flange clamp



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