



## Proof load test completed on 250t crane and lifeboats on dive support vessel

Client	Crane Inspection Service B.V
Country	Aberdeen Harbour, UK
Date/ Year	2016
Service details	We specialise in the design, manufacture, supply and support of two main product lines: inflatable buoyancy products for diving, salvage and installation operations, and water bags for the load testing of cranes, davits, lifeboats, gangways and other load-bearing structures.  Get in touch with us at <a href="mailto:buoyancyballast@uniquegroup.com">buoyancyballast@uniquegroup.com</a>

### Summary of the Project

Unique Group's Buoyancy & Ballast division successfully completed proof load testing on a 250t crane and four lifeboats on a dive support vessel within two days.

### Client Requirement

The client requested Unique Group to perform proof load test on the lifting equipment (crane and lifeboats) on the British registered Sealion Shipping dive support vessel, Toisa Polaris.

### Unique Solution Delivered

The dive support vessel had four lifeboats and a 250 tonne crane. The lifeboats were each loaded with 375kg water filled weight bags to simulate the full working load and proof load, before being launched and lowered over the side of the ship. This proof load testing must be carried out at least once every five years to maintain the integrity of the lifeboat.

The offshore crane required a load of 275 tonne to be applied as 10% more than safe working load is needed for proof load testing of this capacity. We used eight 35 tonne water filled proof load bags of Unique Group's Water Weights brand. These were rigged with a spreader beam and used to achieve the load. It is mandatory to perform proof load testing on cranes every four years to maintain its integrity.

The entire test was completed within two days.

### Benefits delivered

- Experienced Technical team providing on-site support
- Efficient and reliable method
- HSEQ Compliant



**Unique Group**  
Strength in Depth

Division : Buoyancy & Ballast

- Customised solution

Nico Groot, Inspector at Crane Inspection Service B.V, said, "I am delighted with the work carried out and with the excellent support we enjoyed from Unique Group with all the overload tests."