



Calibration testing of safe load indicator on a crane using 360t

Client	Enermech
Country	Invergordon Harbour, Scotland
Date/ Year	2016
Service details	<p>Unique Group's Water Weights brand water-filled proof load bags offer varying capacities from 1 to 110-tonnes which provides an easy, safe and cost-effective means of load testing all kinds of lifting equipment and load-bearing structures.</p> <p>Water-filled bags offer a significant advantage over traditional forms of solid weights because the test load is applied gradually and precisely.</p> <p>A comprehensive range of products to suit all applications is available for hire or sale. Get in touch with us buoyancyballast@uniquegroup.com</p>

Summary of the Project

Unique Group's Buoyancy & Ballast division successfully completed calibration testing of the safe load indicator on a crane using water bags for load testing 360 tonnes.

Client Requirement

The client wanted Unique Group to complete calibration testing of the safe load indicator after replacement of a faulty load pin on a crane.

Unique Solution Delivered

The client asked us to apply 360 tonnes. We used 4 water bags of 55 tonne combined with 2 water filled proof load bags of 35 tonne for the first tier, followed by 3 water bags of 35 tonne water bags on the second tier. In addition to these, we also used a 400t telemetry load link to monitor the load going into the bags.

The crane operator and crane mechanic monitored the load on the way down to compare the descending load with the handheld readout in the crane cab until the client was satisfied with the performance of the safe load indicator. Unique Group's Water Weights brand water bags were used for the load testing, the client was impressed with our professionalism and technical expertise.



Unique Group

Strength in Depth

Division : Buoyancy & Ballast

Benefits delivered

- Experienced Technical team providing on-site support
- Efficient and reliable method
- HSEQ Compliant
- Customised solution based on the space constraints