

Case Study

Crane Inspection Service by Aberdeen Harbour Scotland



Project Specifics:

The lifting equipment on board the British registered Sealion Shipping dive support vessel, Toisa Polaris, was given the all clear after Water Weights completed the proof load testing of its lifeboats and cranes.

Four lifeboats, giving cover to 104 personnel port and starboard side, and a 250 tonne crane, were tested over two days.

To simulate their full working load and proof load, the lifeboats were each loaded with 375kg water bags before being launched and lowered over the side of the ship. This procedure 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 cranes of this capacity. Eight 35 tonne water bags, rigged with a spreader beam, were used to achieve the load. Cranes must undergo proof load testing every four years.

Client Feedback:

Nico Groot, Inspector at Crane Inspection Service bv, said, 'I am delighted with the work carried out and with the excellent support we enjoy from Water Weights with all the overload tests'.

Water Weights, Tern Place, Bridge of Don, Aberdeen AB23 8JX United Kingdom

Tel +44 (0)1224 820022 **Fax** +44 (0)1224 824808 **Web** www.waterweights.com

Water Weights, 7 Vanguard Road, Gapton Hall Industrial Estate, Great Yarmouth NR31 0NT United Kingdom

Tel +44 (0)1493 442591 **Fax** +44 (0)1493 442535 **Web** www.waterweights.com

Water Weights, Unit D7, Voyager Park, Portfield Road, Portsmouth PO3 5FN United Kingdom

Tel +44 (0)2392 655680 **Fax** +44 (0)2392 699813 **Web** www.waterweights.com

Water Weights Europe bv, Leeghwaterstraat 23a, 3364 AE Sliedrecht, The Netherlands

Tel +31 (0)184 430190 **Fax** +31 (0)184 421900 **Web** www.waterweights.nl

Water Weights Inc (East Coast), 470 Satellite Blvd, Suite K, SUWANEE GA 30024 United States of America

Tel +001 (678) 730 4180 **Fax** +001 (678) 730 4184 **Web** www.waterweightsinc.com

Water Weights Inc (Gulf Coast), 132 Credit Drive, SCOTT LA70583 United States of America

Tel +001 (337) 839 2830 **Fax** +001 (337) 839 2832 **Web** www.waterweightsinc.com