



Water You Weighting For

Welcome To Our Newsletter - Offshore Europe Edition

Water Weights water filled proof load bags were originally designed in 1979 as a safer and more cost effective method for testing the safe working load and operation of cranes on North Sea Oil & Gas installations.

The development of this highly engineered and certified system has greatly increased the practicality, economy and safety of providing proof load testing in many applications and is in fact now recognised world wide as the test solution.

With Offshore Europe 2011 attracting an expanding global audience we thought this would be a good time to introduce some of our global partners.

The Water Weights international group of companies offer a worldwide network covering over 20 countries supporting local areas with the best group of professionals - so whatever your load testing needs Water Weights can find you the right person.

**Our expertise is in load testing, our work is focused on safety,
our reach is worldwide.**

NEL Proof Load Testing

Water Weights have always had a physical load test programme in line with UK HSE requirements. All water filled proof load bags have a proven certified factor of safety in excess of 6:1.

Each bag is physically proof load tested to a minimum of twice its rated capacity and we are the only manufacturer who does.

All Water Weights bags in operation worldwide meet the same stringent safety requirement.



Water Weights - UK

Flexi-Float Jack Up Platform Load Testing

The Client was Stena Line Ports Ltd at Fishguard Harbour, South Wales.

The project specifics were to load test a flexi-float platform with 170 tonne. Water Weights have had a close working relationship with Fishguard Harbour for many years and are called in whenever the Flexi-float requires loading. This is normally every 4 years but on this occasion it was after extensive repairs on the jacking legs.

Previous tests were done using 1 x 100te flexidam and 3 x 25te flexidams however following a major refurbishment in 2005, the hydraulic power pack and generator were re-located to maximise deck space. This allowed us to utilise the 16te flexitainers and distribute the load more evenly.

The bags were laid out at 1100hrs, filling commenced at 1200hrs and the full load was reached by 1400hrs. Mr Hans Simonis of Flexifloat Systems BV conducted dynamic testing at 1430hrs, unloading began, and by 1900hrs the site was clear.

Mr Ian Davis of Stena Ports Fishguard said that "he was very impressed with the way Water Weights were able to respond to his request at such short notice and how professional the Water Weights team had been."



Water Weights - Scandinavia / Norway



A 140 tonne load test on a Riser Pull-In Winch on the Gjoa Semi for Statoil was performed in July 2011.

The test went smoothly and well within the timeframe, given that rigging and access conditions were extremely difficult.

A BOP crane test required a 440 tonne proof load test earlier this year.

The first test location was China, then it moved to Spain, then Italy and finally arrived in Stavanger where Water Weights Scandinavia finally completed the project.



Water Weights Europe BV - Netherlands

693 tonne Load Test in Belgium

A Load test of 693 tonne was performed on two (Titan) portal cranes in Hoboken Belgium in March and May 2011.

The equipment was mobilised from Water Weights Europe, Aberdeen and VFR Marine Safety in Hamburg.

The test was completed using 22 x 35t water bags and 2 x 20t water bags.



250 tonne Load Test

Drilling pipe elevator system required a load test of 250 tonne in April 2011. This was completed over 3 day period

This was a very special test because this system required a full endurance test for at least 12 hours: the load was lifted and lowered continuously. Water Weights engineers worked in shifts to complete this job.



220t Jack-up Barge - May 2011

This was completed in Keppel Verolme yard in Rotterdam by two engineers in 1 Day.



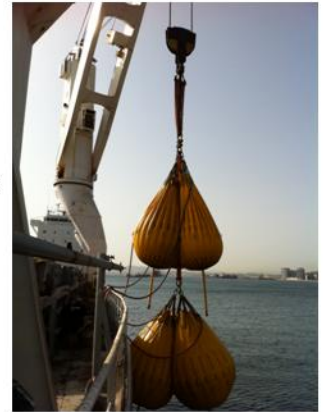
165t M/V HR Constitution in Gibraltar - July 2011.

The test was carried out by our Spanish associates Extinval.

Load test crane 1 - 165 ton + aux 40 ton.

Load test crane 2 - 77 ton + aux 40 ton.

Other small load tests were carried out on the engine room crane, rescue davit etc. and all were completed in a 2 day timeframe



A requirement of two 275 tonne load tests was requested from Alant Regine in Belgium.

The test was performed with two engineers in February 2011.

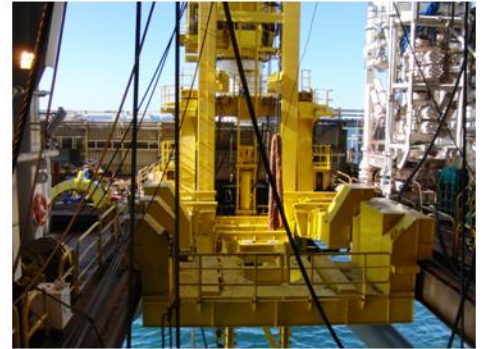


2 x 88 tonne load tests were completed in Kampen NL, performed in 1 day during April 2011.

Twin mode test on NMF cranes, again performed in 1 Day.

VFR - Germany

A 200 tonne load test was performed on the Awilco Drilling platform Wilphoenix in Gdansk by VFR Marine Safety on a Liebherr Crane.



M.P.I - France



165 tonne load test for testing the upper lifting bar at 110 tonne x 150%.

A series of tests were conducted in 2 days and reduced costs by 60% as compared to the normal solid weights method.

ATS s.r.l - Italy



A 200 tonne Load test on MV Seminole (a heavy lift/pipelay vessel) for offshore liftings was completed over a two day period.

Almansoori - U.A.E. / Abu Dhabi

A sample of ongoing load testing projects as follows:

Client	Location	Scope of Services	Equipment Used
ADMA-OPCO (Offshore Oil Company)	Abu Dhabi	Load Testing - Through Certification Company - Germanischer Lloyd.	35 Ton Water Bags, 20 Ton Water Bags, 10 Ton Water Bags and Load Cells with capacity 50 Ton and 100 Ton.
ZADCO (Offshore Drilling Company)	Abu Dhabi	Load Testing - Through Certification Companies - Germanischer Lloyd & Sea Safety Engineering.	35 Ton Water Bags, 20 Ton Water Bags, 10 Ton Water Bags and Load Cells with capacity 50 Ton and 100 Ton.
Dubai Dry Docks	Dubai	Load Testing - Through Certification Company - Emirates Safety Services	35 Ton Water Bags, 20 Ton Water Bags, 10 Ton Water Bags and Load Cells with capacity 25 Ton, 50 Ton and 100 Ton.

Water Weights - USA

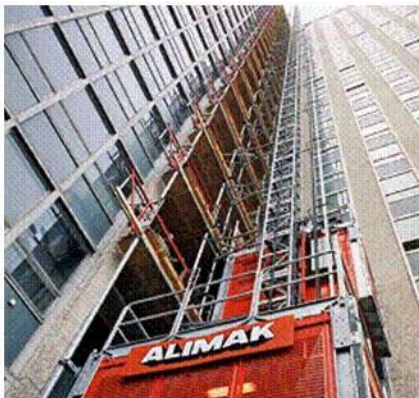
750t Load Test on Turbine Deck Cranes

Water Weights Inc in Washington recently finished installation of a complete load measuring system on both the upstream and downstream turbine deck cranes at Lower Monumental Dam for the US Army Corps of Engineers.

Water Weights Inc performed all calibration and testing using 12 x 35 ton Water Bags and 6 x 12 ton bags rigged onto a lifting beam equipped with mounted concrete weights to achieve a maximum test load of 750 tons on two trolleys. The entire calibration and testing took three days on site from arrival with an extra fourth day utilised for testing all auxillary hoists on both bridge cranes.



Compliance Testing Required by OSHA



Construction hoists are utilised worldwide for fast and reliable transport of both material and personnel at construction sites. Replacing conventional scaffolding these highly versatile work platforms solve a myriad of moving challenges.

OSHA requirements call for a load test on a six monthly cycle. Current testing methods use concrete filled steel drums wheeled into position inside the platform, held in place by chocks. This method is very cumbersome, unsafe and uncertified. Water Weights US, in conjunction with the UK, have designed a bag that provides a safe and efficient method of test.



VH Testing Services - Mexico

VH Testing Services completed their first multiple load tests in Cd. Del Carmen, Campeche, Mexico. VH Testing is the newest agent to join our team.



25te Warehouse crane (with flow meter and short rigging)



25te Pumps outdoor crane



63te Compressor room I crane



70te Compressor room II crane

Water Weights - South Africa

In late 2010, the SAIPEM FDS was in dry dock in Cape Town, South Africa for work to be carried out, the main crane was to be load tested. However, due to operational requirements she had to sail prior to the 660 tonne load test being carried out. As Water Weights Cape Town was originally doing the test in Cape Town, alternative plans had to be made to have the test done in another location. The vessel was due to sail to Congo where she would receive parts for the main crane and then onto Gabon to commence operations.

Water Weights Cape Town, with the assistance of Water Weights in Aberdeen, mobilised equipment to be shipped to Point Noire, Congo. Here additional equipment from the Water Weights office in Point Noire was loaded to make up the equipment required for the test. Once the vessel arrived in Port Gentil, Water Weights Cape Town mobilised 2 x Lifting Machine Inspectors who flew to Gabon to join the SAIPEM FDS. The test was then carried out successfully.



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Angola	Denmark	Mexico	Singapore	Turkey
Brazil	France	Netherlands	South Africa	U.A.E - Abu Dhabi
Canada	Germany	Norway	Spain	United Kingdom
China	Italy	Republic of Congo	Sweden	United States



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