

Case Study

Associated British Ports Ipswich Haven Marina UK



Project Specifics:

Water Weights were asked by ABP (Associated British Ports) to carry out a load test on their 70t capacity boat handling hoist.

The purpose of the test was to verify the safety cut out limits of the hydraulic winching system. The boat hoist has four independent winches.

Two engineers along with all of the equipment required was transported to site on a transit truck. The test was conducted in three phases:-

1. Fill all four bags to 50% of SWL, 8.75 tonnes per bag. Readings from the onboard gauges and load cells were compared.
2. Fill all four bags to 100% of SWL, 17.5 tonnes per bag, again readings were compared.
3. Continue filling all bags whilst monitoring the loads of each point to verify the safety cut out point.
4. 20 tonne water bags and calibrated load cell shackles were attached to each winch.

The project was completed and the site cleared in one working day.

Client Feedback:

The Marina Manager, said, 'I am delighted with the work carried out and with the excellent service and support we have had from Water Weights with the planning and execution of this project'.

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