ANCHOR TESTING & RIGGING SERVICES

SERVICES

Anchor Testing & Rigging Services uses water bags to produce the required proof loads for inspection and testing of equipment and structures.

CAD rigging studies, comprehensive evaluation and risk assessment of rigging stores, and the establishment of rigging containers are coordinated. The company compiles safety registers as required by local and international regulations, as well as plans, supervises and executes heavy lifts. NDT and lifting tackle inspections are also carried out.

On request Anchor Testing & Rigging Services manufactures towable bladders, buoy bags, life raft testing units, and other ancillary equipment as well as testing of oil booms.

ANCHOR TESTING & RIGGING SERVICES OFFERS A RANGE OF TEST LOADS:

- Marine
  - Drill vessels: Rigs, Oil, Onshore; Pontoon; Tugs; Barge mounted and store mounted; Moss pool
- Oil & Gas
  - Drill vessels: Rigs, Oil, Onshore
- Engineering and Manufacturing
  - Vehicle/boats (used to lift vehicles for example in fitment centres); Containers: Offshore, cargo, tool baskets, quays
- Rigging
  - N/A
- Mining:
  - Construction
  - Cranes: EDT (mounted inside various types of buildings in different configurations), mobile, crawler, tower
- Other
  - Airlift bags (used to store slacks and metal); Storage bags used to store liquids such as oil, wine etc; Oil bladders (covered: capture spiked oil offshore, normally towed behind a tug boat)

TYPES OF WATER BAGS AND FEATURES

- **CRANE TEST WATER BAGS**
  - Effective for load testing all kinds of lifting machines
  - Durable and strong
  - Easy to fill and discharge
  - Reparable and cost effective

- **WATER BAG SAFETMAN**
  - A human shaped test water bag designed specially for load testing of free-fall lifeboats and other applications as required
  - The bag has a capacity of 90.75 kg, calculated according to IMO regulations

- **SAUSAGE / LIFEBOAT TEST BAGS**
  - Safe and effective for testing all kinds of lifeboats
  - Durable and strong
  - Easy to fill and discharge
  - Reparable and cost effective
  - Equipped with an automatic pressure relief valve

All Anchor Testing & Rigging Services water bags have been inspected and certified by

**BENEFITS OF WATER BAG TESTING**

Water bags provide an innovative solution to load testing across various industries. It ensures a streamlined testing process, resulting in transport, storage and labour cost savings and less outage for your operations.

The bags can be used in combination to achieve almost any load on different types of lifting equipment and specialised applications where conventional means do not allow for standard equipment and machine capability evaluation. The versatility of the bags allow for increased work efficiency and a faster turn around time for testing projects as no additional equipment is required.

**ANOTHER TESTING & RIGGING SERVICES’ PROJECT EXAMPLES:**

**Load testing of offshore containers**

Anchor Testing & Rigging Services coordinated load testing and MPI of pad eyes for nine, 6 metre offshore containers used for storage purposes by a client in the oil and gas industry.

The project was completed at the port of Cape Town by a team of six consisting of an LMI, crane operator, two riggers and two rigger assistants using deadweights, lifting devices and lifting tackle. Although the usual rough weather in the harbour posed a challenge for the team, by applying their knowledge and experience, the project was coordinated within nine hours, i.e. one hour for testing each container, meeting the deadline and keeping within budget.

**Testing and certification onboard offshore drilling rig**

Anchor Testing & Rigging Services coordinated a testing and rigging project in Angola onboard one of the five largest semi-submersible offshore drilling rigs in the world. The project entailed testing, MPI and certification of pad eyes as well as stabilising baskets within the derrick. By means of rope access and using a hydraulic pad eye tester, hand held electronic yoke and MPI consumables, more than 400 inaccessible pad eyes were inspected, three stabilising baskets tested and a drop object survey completed within an 18 day period onboard the rig.

**Testing on an oil rig using water bags**

Anchor Testing and Rigging Services coordinated testing on an oil rig at Coega. On completion of the rigging studies, risk assessments and positioning, the initial load test which took approximately five hours to coordinate was implemented by two teams (of four members), with one team executing the quay side preparation while the other coordinated the on deck preparation.

Overcoming the forces of nature, which caused several mooring lines holding the rig in position to snap, as well as the logistical issues that was created by the location, the project was completed within the limited time available.

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