

Waterbag Load Testing from Alatas Crane Services

Alatas Singapore offers waterbags with loadcells for crane load-tests.

The advantage of waterbags compared to solid testweights or watertanks is that they are much easier to transport and handle.

Our engineers are also able to function test and prepare the crane for overload testing, including carrying out a complete check-up, if required.



Liebherr Overload Test



Offshore Overload Test



Overload Test



NMF Overload Test



Alatas Crane Engineers



Overload Test



Ship Crane Overload Test



Offshore Crane Overload Test



O&K Overload Test



Alatas Crane Engineers



Fukushima Overload Test



Liebherr Overload Test

Alatas is your partner for all your crane requirements!



Certificate Nr. _____

Note: This Certificate is the standard international form as recommended by the Internal Labour Office in accordance with ILO Convention No. 152

**CERTIFICATE FOR TEST AND THOROUGH
 EXAMINATION OF LIFTING APPLIANCES**

Name of Ship

Official Number

Call Sign

Port of Registry

Name of Owner

(1)	(2)	(3)	(4)	(5)
Situation and description of lifting appliances (with distinguishing marks if any) which have been tested and thoroughly examined	Angle to the horizontal or radius at which test load applied	Test load (tonnes)	Safe working load (SWL) at angle or radius shown in column 2(tonnes)	Name and address of the firm or competent person who witnessed testing and carried out thorough examination
				<p>ALATAS Singapore Pte Ltd 1 Int'l Business Park #03-1E SINGAPORE 609917</p> <p>Tel: +65 6861 2336 Mail: singapore@alatas.com.sg</p> <p>Inspector:</p>

I certify that on the date to which i have appended my signature, the lifting appliance shown in column (1) was tested and thoroughly examined and no defects or permanent deformations was found, and that the safe working load is as shown.

Date:

Place:

Signature:

INSTRUCTIONS

1. Every lifting appliance shall be tested with a test load which shall exceed the safe working load (SWL) as follows:

<u>SWL</u>	<u>Test load</u>
Up to 20 tonnes	25% in excess
20 to 50 tonnes	5 tonnes in excess
Over 50 tonnes	10 % in excess

2. In the case of derrick systems the test load shall be lifted with the ship's normal tackle with the derrick at the minimum angle to the horizontal for which the derrick system was designed (normally 15 degrees), or at such greater angle as may be agreed. The angle at which the test was made should be stated in the certificate of test. After the test load has been lifted it should be swung as far as possible in both directions.

2.1 The SWL shown is applicable to swinging derrick systems only. When derrick is used in union purchase the SWL (U) is to be shown on Form 2 (U).

2.2 In the case of heavy derricks, care should be taken to ensure that the appropriate stays are correctly rigged.

3. In the case of cranes, the test load shall be hoisted, slewed and luffed at slow speed. Gantry and traveling cranes together with their trolleys, where appropriate, are to be traversed and traveled over their full length of their track.

3.1 In case of variable load radius cranes, the tests are generally to be carried out with the appropriate test load at maximum, minimum and at an intermediate radius.

3.2 In the case of hydraulic cranes where limitations of pressure make it impossible to lift a test load 25 % in excess of the safe working load (SWL), it will be sufficient to lift the greatest possible load, but in general this should be no less than 10 % in excess of the safe working load.

4. As a general rule, tests should be carried out using test loads, and no exception should be allowed in the case of initial tests. In the case of repairs, replacement or when the periodic examination calls for re-test, consideration may be given to the use of spring or hydraulic balances provided the SWL of the lifting appliance does not exceed 15 tonnes. Where a spring or hydraulic balance is used it shall be calibrated and accurate to within +/- 2 % and the indicator should remain constant for five minutes.

4.1 If test weights are not used, this is to be indicated in column (3).

5. The expression «tonne» shall mean a tonne of 1000 kg.

6. The terms «competent person», «thorough examination» and «lifting appliance» are defined in Form 1.

Note: For recommendations on test procedures reference may be made to the ILO document "Safety and Health in Dock work".

Lifeboat Davit Load Test



LOAD TEST ON GANGWAYS:

