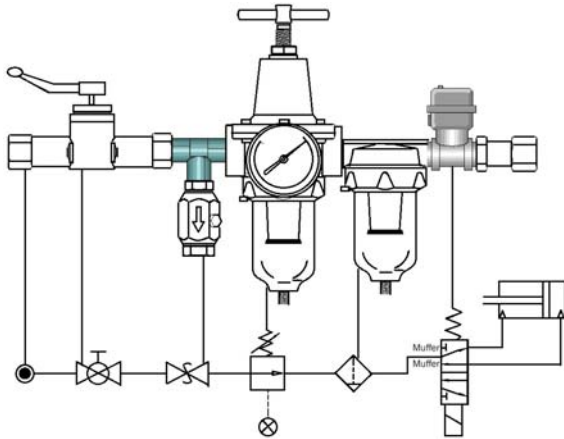
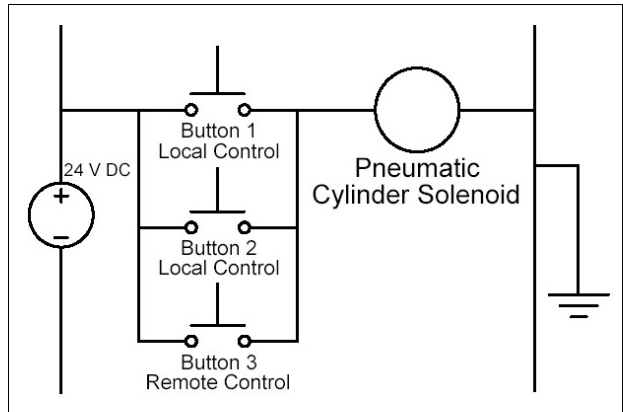


# QUICK RELEASE TOWING HOOK

## Electric Pneumatic System for Cylinder - FRL



**Proof Load Test**



**Remote Control System**

**AMERICAN BUREAU OF SHIPPING**

Customer Name	BILLBOARD ENGINEERING CO., LTD.	Purchase Order No.
Abording Office	Guangzhou	Report Number
First Visit Date	19-May-2011	Last Visit Date
		23-Aug-2011

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**Certification Of:** Hook Quantity: One (1)  
 Manufacturer: BILLBOARD ENGINEERING CO., LTD.

**Survey Location :** FOSHAN, GUANGDONG PROVINCE, CHINA

**Equipment Data**

Item Name	Towing Hook
Manufacturer Number(S) No.	A2622-1
Model Number	DT-26
Destination Vessel (Class Number)	YYZ23824
Builder/Shipyard	SERVICIO INDUSTRIAL DE LA MARINA
Builder I.D./Hull No.	1147

**Design Details**

Design State	Design Approved/Reviewed
ABS Reviewing Organization	Rio de Janeiro Engineering - Hull/Offshore
Drawing Number	AE-4060-030 Rev. C under RL 720870/2011-03-21

**Additional Data**

ABS Stamping	GH1985744_A
Safe Working Load	20 tonnes
Heat Treatment	Normalized and Tempered

**This is to Certify that the undersigned surveyor(s) to this Bureau did, at the request of the customer, carry out the following survey and report as follows:**

Traceability of materials used on this project has been verified.  
 Welding plans, procedures & welder qualifications have been reviewed as required by Rule/Specifications.  
 The principal data has been verified in accordance with the applicable Rules/specifications and approved plans, and confirmed to be within acceptable tolerances.  
 Testing machines are maintained in a satisfactory condition and records of their recheck or calibration dates confirmed.  
 All parts of the machinery/equipment satisfactorily complied with the approved drawings. Amendments, if any, verified to be rectified and considered satisfactory.  
 Subject to satisfactory installation, testing and trials after installation onboard the vessel.  
 For ABS Grades, all tests and examinations as required by the Rules were carried out and found satisfactory.  
 For non-ABS Grades, tests and examinations as required by the specifications as listed in this report were carried out and found satisfactory.  
 Manufacturer test records and/or mill certificates were confirmed to comply with specification.  
 For details of Mechanical Properties and/or Chemical Composition, refer to the mill/manufacture's records.  
 Final markings for identification confirmed.

Mechanical Property Test was carried out for the main components (disc-hook, mid-hook, mid-pin, main shaft and union head) and found complied with the manufacturer's specification.  
 Mill Test Certificates of the steel plates and other forged steels used on this towing hook were verified and found satisfactory.

(1) This report certifies that the survey equipment has been certified and is conforming with the provisions of the Rules, codes, standards or other articles of the American Bureau of Shipping and is accurate solely for the use of the Bureau, its customers, its clients or other personnel employed. This Report is an approval given only for the vessel, machinery, electrical equipment, machinery or any other item covered by the Report, it does not constitute an endorsement of the quality of the work or the quality of the materials, systems, standards or other articles of American Bureau of Shipping. The validity, usability and interpretation of this report is governed by the Rules and standards of American Bureau of Shipping and shall remain the sole property of the Bureau or its authorized entities. The responsibility of this Report shall be observed or release any negligence, liability, owner, manufacturer, seller, supplier, importer, operator or other entity of any warranty, express or implied.

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