



# Certificate of Bollard Pull

Ship's name  
**CDC I**  
Owner  
**CAMP SHIPPING COMPANY Ltd.**

LR Number  
**9482768**  
Yard number  
**506328**  
Trial date  
**07 April 2010**  
Location bollard pull trials held  
**HABANA**

Shipbuilder  
**CARIBBEAN DRYDOCK COMPANY Inc.**

This certificate is issued to **EMPRESA DE NAVEGACION CARIBE**  
to certify that the undersigned Surveyor to Lloyd's Register EMEA attended the bollard pull trials stated above for the purpose of ascertaining the  
pull capacity of the subject ship, at the request of: **DAMEN GORINCHEM**

The relevant particulars of the ship and its machinery and propellers together with the significant trials data are listed on page 2 of this certificate.  
The trials were completed and the following results were obtained:

### TRIAL RESULTS

TRIAL NUMBER	START TIME	END TIME	SHAFT RPM	SHAFT HP	SBP	MBP
1	14:30	14:36	1600	1425 kW	52.24	52.50
2	14:37	14:43	1600	1425 kW	51.75	52.30
3	14:44	14:50	1600	1425 kW	51.50	52.20
4	14:51	14:56	1600	1425 kW	51.63	51.70
5	14:57	15:05	1600	1425 kW	51.18	51.35

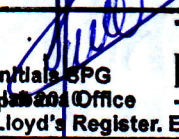
### CERTIFIED BOLLARD PULL

This hereby certified that the vessel under the conditions described on page 2, exerted a Steady Bollard Pull (SBP) over a minimum of 5 minutes  
duration of **51.64** tonnes force.

This also certified that the Maximum Bollard Pull (MBP) during the same five minute interval was **52.01** tonnes force.

Shaft driven auxiliaries were **fully engaged** (delete as appropriate)

Issued at **HABANA**

on **18 April 2010** at **Havana Office**  
  
**Lloyd's Register EMEA**

S. POMARES  
Surveyor to Lloyd's Register EMEA

A member of the Lloyd's Register Group

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