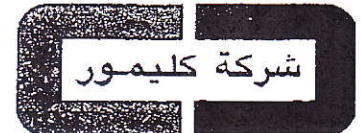




SECURITY AND SAFETY CONSULTANTS

18/6/08
2008.11.02



لاستشارات الامن والسلامة

Registered and Approved by United Arab Emirates Authorities

سجلت واعتمدت من قبل السلطات المختصة في دولة الامارات العربية المتحدة

Certificate No. : JOI-12045/1

17th June 2008

Bollard Pull Test

Customer : Port of Fujairah
Location : Berth No. 2 Fujairah Jetty
Vessel Name : TUG Wadi Ham **IMO No. :** 8987199
Owner : Government of Fujairah
Port of Regn. : Fujairah UAE
Length : 19.6 M **Breadth** : 6.4 M **Depth** : 2.5 M
Gross Tonnes : 71.0 T **Draft** : 2.35 M
Builder : Damen Shipyard Holland **Year** : 1982
Bollard Pull Ahead : 17.0 tonne
Bollard Pull Astern : 9.7 tonne
Towline Length : 100 mtr.
Engine RPM : 1600 **Engine Cooling Water Temp.** : 70°C
Rudder Angle : STB 0° **Sea Water Temp.** : 34°C
P.S 0°
Ambient Temp. : 32° C **Sea Water Depth** : 13.0 M

This is to certify that the above was carried out on the 17th day of June 2008 and the above particulars are correct.

Signed by :

Amante B. Cruz
 Test Engineer



Hussain Alyasi
 Authorized Signatory

For Mercator Marine Services

(Capt. Nusrat Iqbal, Master Mariner)



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