



SECURITY AND SAFETY CONSULTANTS



لاستشارات الامن والسلامة

Registered and Approved by United Arab Emirates Authorities

سجلت واعتمدت من قبل السلطات المختصة في دولة الامارات العربية المتحدة

**Certificate No. : JO1-12045/1**


**17<sup>th</sup> June 2008**

**Bollard Pull Test**

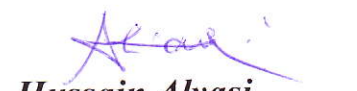
**Customer** : Port of Fujairah  
**Location** : Berth No. 2 Fujairah Jetty  
**Vessel Name** : TUG Wadi Ham **IMO No. :** 8987199  
**Owner** : Government of Fujairah  
**Port of Regn.** : Fujairah UAE  
**Length** : 19.6 M **Breadth :** 6.4 M **Depth :** 2.5 M  
**Gross Tonnes** : 71.0 T **Draft :** 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 17<sup>th</sup> 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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