SHIP PARTICULARS

| NAME   | Millgarth |

version: Sept 2007 01 - Tuo
**SHIP PARTICULARS**

### IDENTIFICATION
- **NAME**: Millgarth
- **Callsign**: MWIS6
- **Port Of Registry**: Milford Haven
- **Flag State**: UK
- **IMO Number**: 9144122
- **MMSI Number**: 232002697
- **Owner**: A/S Em Z Svitzer
- **Ship Manager**: Svitzer Marine Ltd
- **Classification Society**: Lloyds of Register Shipping
- **Class Notation**: +100A1 Tug FiFi + waterspray +R7 + LMC UMS - LEA
- **Date Keel Laid**: 1996
- **Date of Delivery**: Feb 1997
- **Shipyard**: Damen Shipyards, Gorinchem, Holland

### MAIN DIMENSIONS
- **Length o.a.**: 32.72 Metres
- **Length Waterline**: 29.0 Metres
- **Beam (moulded)**: 10.6 Metres
- **Depth (moulded)**: 5.0 Metres
- **Draught**: 4.95 Metres
- **Deadweight**: 290 tonnes
- **Gross Tonnage**: 374 tonnes
- **Nett Tonnage**: 112 tonnes
- **Clear Deck Space**: 84 Square metres @ tonnes per sq m.
<table>
<thead>
<tr>
<th><strong>PERFORMANCE</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum speed</td>
<td>13.5 Knots</td>
</tr>
<tr>
<td>Bollard pull ahead</td>
<td>66 metric tonnes</td>
</tr>
<tr>
<td>Bollard pull astern</td>
<td>62 metric tonnes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CAPACITIES</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accommodation</td>
<td>6 berths cabins</td>
</tr>
<tr>
<td>Freshwater</td>
<td>21.9 tons cubic metres</td>
</tr>
<tr>
<td>Fuel</td>
<td>88.5 tons cubic metres</td>
</tr>
<tr>
<td>Ballast water</td>
<td>48.2 tons cubic metres</td>
</tr>
<tr>
<td>Foam</td>
<td>26 cubic metres</td>
</tr>
<tr>
<td>Dispersant</td>
<td>cubic metres</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PROPULSION</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main engines</strong></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>2</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Stork</td>
</tr>
<tr>
<td>Model number</td>
<td>6SW28</td>
</tr>
<tr>
<td>Continuous rating</td>
<td>2550 Kw</td>
</tr>
<tr>
<td>Speed</td>
<td>1000 RPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Propulsion</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>2</td>
</tr>
<tr>
<td>Type</td>
<td>Aquamaster</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>US 2501/3600</td>
</tr>
<tr>
<td>Propeller diameter</td>
<td>2800 millimetres</td>
</tr>
<tr>
<td>Propeller speed</td>
<td>231 RPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Bow thruster</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td></td>
</tr>
<tr>
<td>Manufacturer</td>
<td></td>
</tr>
<tr>
<td>Model number</td>
<td></td>
</tr>
<tr>
<td>Propellor</td>
<td></td>
</tr>
<tr>
<td>Drive</td>
<td></td>
</tr>
<tr>
<td>Thrust</td>
<td>metric tonnes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GENERATORS</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Auxiliary engines</strong></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>2</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Cummins</td>
</tr>
<tr>
<td>Model number</td>
<td>6CTA 8.3G</td>
</tr>
<tr>
<td>Continuous rating</td>
<td>187 KVA  phase</td>
</tr>
<tr>
<td>Speed</td>
<td>1500 RPM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Harbour Engines</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>1</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Cummins</td>
</tr>
<tr>
<td>Model number</td>
<td>4B 3.9G</td>
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<tr>
<td>Continuous rating</td>
<td>35 KVA</td>
</tr>
<tr>
<td>Speed</td>
<td>1500 RPM</td>
</tr>
<tr>
<td><strong>EQUIPMENT</strong></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><strong>Towing</strong></td>
<td></td>
</tr>
<tr>
<td>Winch Fwd</td>
<td>2x Aquamaster (Rolls Royce) TW 1050</td>
</tr>
<tr>
<td>Winch Aft</td>
<td>2x Aquamaster (Rolls Royce) TW 1500</td>
</tr>
<tr>
<td>Tugger winch</td>
<td></td>
</tr>
<tr>
<td>Bridle winch</td>
<td></td>
</tr>
<tr>
<td>Towing hook</td>
<td></td>
</tr>
<tr>
<td>Deck equipment</td>
<td></td>
</tr>
<tr>
<td><strong>Navigation</strong></td>
<td></td>
</tr>
<tr>
<td>Magnetic compass</td>
<td>Kelvin Hughes 'Observator'</td>
</tr>
<tr>
<td>Gyro Compass</td>
<td>KVH</td>
</tr>
<tr>
<td>Satellite Communication</td>
<td></td>
</tr>
<tr>
<td>GPS</td>
<td>Koden KGP - 98 DGPS</td>
</tr>
<tr>
<td>Radar</td>
<td>2x Racal Decca Bridgemaster C 180/4</td>
</tr>
<tr>
<td>Echo sounder</td>
<td>Koden CVS-106</td>
</tr>
<tr>
<td>Auto pilot</td>
<td>Robertson AP 9 MK 11</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
<td></td>
</tr>
<tr>
<td>GMDSS area</td>
<td>2</td>
</tr>
<tr>
<td>VHF</td>
<td>2 x Skanti VHF 3000</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
</tr>
<tr>
<td>Fire Fighting equipment</td>
<td>2 x Water/ Foam monitors supplying a total of 1200m3 &amp; 1500m3/h</td>
</tr>
<tr>
<td>Deck crane</td>
<td>Effer</td>
</tr>
<tr>
<td>MOB boat</td>
<td>Lifegaurd IB 395</td>
</tr>
<tr>
<td>Salvage equipment</td>
<td>2 x SW driven eductors with 6 x 3 metre hoses</td>
</tr>
<tr>
<td>Oil Dispersal</td>
<td></td>
</tr>
<tr>
<td>Search lights</td>
<td>2 x 1000W Seematz</td>
</tr>
<tr>
<td>When open for Sale</td>
<td></td>
</tr>
</tbody>
</table>