

# Tug boat "Brandaris"

## Technical specifications "Brandaris"



### General

|                  |   |
|------------------|---|
| Call sign        | PDHJ  |
| EU number        | 2719091   |
| Type of vessel   | towing, push & Survey vessel                              |
| Class            | Bureau VERITAS I*HULL*MACH<br>Tug Coastal Area            |
| Nat. Authorities | Dutch Shipping Inspection 30Nm,<br>GMDSS Sea Area: A1, A2 |
| Owner            | <b>G. Bouwman Towing &amp; Shipping B.V.</b>              |
| Yard             | Den Breejen, Netherlands                                  |
| Build            | 1980  |
| Rebuild          | 1997, DAMEN, Netherlands                                  |
| Last Survey      | Complete Survey 12 / 2007                                 |
| Speed            | 10 knots  |
| Bollard Pull     | 6,5 ton   |

### Dimensions

|                |            |
|----------------|------------|
| Length overall | 14,48 mtr. |
| Beam overall   | 4,64 mtr.  |
| Draught aft    | 2 mtr.     |

### Propulsion system

|              |   |
|--------------|---|
| Main engines | Caterpillar 3412 TA                               |
| Output       | 397 bkW (548 bhp) at 1800 rpm                     |
| Gearboxes    | ZF Masson   |
| Propulsion   | 1 fixed propeller in v/d Giessen Optima<br>Nozzle |
| Diameter     | 1,25 mtr.   |
| Rudders      | 2 rudders   |

### Auxiliary system

|                |  |
|----------------|--|
| Generator sets | 1x Mitsubishi (2008)                             |
| Capacity       | 34 KVA   |
| Transfer pumps | for Fuel 50 ltr/ min.<br>for water 100 ltr./min. |
| Hydraulic set  | for Up & down Mast, Wheelhouse,<br>2 x Winches   |

### Deck Equipment

|                      |   |
|----------------------|---|
| Pushbow              | 1 x 300 mm  |
| Hydraulic winches    | 2 x winches 25 t. Aft deck for<br>coupling 2x 30 mtr. Wire 22mm |
| Up / Down Wheelhouse | 2,8 mtr. Hydraulic Up & Down<br>going wheelhouse                |
| Towing hook          | 8 tons  |

### Tank capacities

|             |           |
|-------------|-----------|
| Fuel oil    | 8000 ltr. |
| Fresh water | 4000 ltr. |
| Luboil      | 250 ltr.  |

### Nautical Equipment

|                         |  |
|-------------------------|--|
| GMDSS Epirb             | 1x tron  |
| Sart                    | 1x tronsart  |
| Radar system            | 1x JRC Color river radar   |
| VHF                     | 2x Sailor  |
| SSB radio               | 1x   |
| Electronic Chart system | 1x Tresco plotter  |
| Autopilot               | 1x Robertson AP 9  |
| Echo sounder            | 2x   |
| D-GPS                   | 2 x Simrad/ Robertson  |
| Satellite compass       | 1x Simrad  |
| Magnetic compass        | 1xObserver   |
| Electric Compass        |  |
| Navtex                  | Furuno   |
| Searchlights            | 3x   |
| Solar Screens           | 14 x in wheelhouse   |
| Accommodation           | Heated and airconditioned living<br>spaces for 2 pers.<br>Wheelhouse |
| Airco                   |  |

### Spare

1x fixed propeller

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