## GENERAL

**Yard number** 513303

**Basic functions** Towing, mooring, escorting and fire-fighting operations

**Classification** Bureau Veritas

**HULL**

- Escort Tug (Bollard pull = 85t) (maximum steering force = 75t, maximum braking force = 90t, maximum escort speed = 10 kn) Unrestricted Service

**AUT UMS** Inwater Survey

**COMF-NOISE 3**

**Ø Fire Fighting Ship 1**

**Ø Fire Fighting Ship 1 with water spray**

**Ø Clean Ship**

**Ø Green passport EU**

**Ø Lloyd’s Register**

- 100 A1 Escort Tug (Bollard pull = 85t) LMC UMS IWS CAC 3

**Painting** Epoxy paint system

## DIMENSIONS

- Length overall: 27.59 m
- Beam overall: 12.93 m
- Depth at sides: 5.20 m
- Draught aft: 6.00 m
- Displacement (approx.): 645 t
- Gross tonnage: 388 t

## TANK CAPACITIES

- Fuel oil: 102.6 m³
- Fresh water: 17.4 m³
- Lubrication oil: 2.4 m³
- Dirty oil: 2.4 m³
- Sewage: 5.6 m³
- Bilge water: 4.7 m³
- Ø Foam: 8.7 m³
- Ø Dispersant: 4.6 m³
- Ø Urea: 3.0 m³

## PERFORMANCES

- Bollard pull ahead: 85.0 t
- Bollard pull astern: 80.0 t
- Speed ahead: 13.0 kn

## PROPULSION SYSTEM

- **Main engines**
  - 2x Caterpillar 3516C TA HD / D
- **Total power** 5050 kW (6772 bhp) at 1800 rpm
- **Propeller diameter** 3000 mm fixed pitch
- **Speed log** IMO Tier III compliant

## AUXILIARY EQUIPMENT

- **Generator sets**
- **General service pumps**
- **Bilge pump**
- **Fuel pump**
- **Fuel oil purifiers**
- **Oil pollution control**
- **Fillet set**
- **Fillet monitor**
- **Sewing treatment plant** Tecnicomar ECOmar 20
- **Box cooling + anti-growth system**
- **Main engine driven pumps**
- **Dispersant pumps with spraybooms**
- **Main engine driven pump 1200, 2400 m³/h or Ø with water spray**
- **1x 1200 or 2x 1200 m³/h, water/foam**

## DECK LAYOUT

- **Anchors**
  - 1x 430 kg Pool + Ø 1x 430 kg (Pool) (High Holding Power)
  - Hydraulically driven anchor winch
- **Second anchor winch**
- **Towing winch fore**
- **Rendering-Recovery winch**
- **Towing winch aft**
- **Towing hook aft**
- **Capstan**
- **Crane**
- **Fendering**

## DECK LAYOUT

- **ACCOMMODATION**
  - For max. 10 persons (MLC 2006 compliant), insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain’s cabin, chief engineer’s cabin, 4 double crew cabins, galley, mess/dayroom, dry store, ships office and sanitary facilities.

## NAUTICAL AND COMMUNICATION EQUIPMENT

- **Searchlight**
- **Radar system**
- **Compass / GPS**
- **Compass (magnetic)**
- **Autopilot**
- **Echosounder**
- **Speed log**
- **VHF Radio telephone**
- **Navtex**
- **LSB**
- **EPIRB**
- **Sart**
- **Inmarsat + Ø spare**
- **Anemometer**

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* = optional equipment
AZIMUTH STERN DRIVE TUG 2813

STOCK