

MT Wenzina

A TWIN SCREW AZIMUTHING STERN DRIVE TUG CONSTRUCTED BY DAMEN SHIPYARDS AT THEIR SONG CAM SHIPYARD, HAIPHONG

BUILT: 2006

DIMENSIONS:

Length O.A 24.55 m
Beam O.A 11.49 m
Depth at Side (midships) 4.59 m

CLASSIFICATION:

RINA C-Hull, Mach, Tug, Coastal Area, AUT-UMS
Gross Tonnage 207 tons

PROPULSION:

Two caterpillar 3516B TA HD/D series, electrically started and box cooled, each developing 2090 kW (2800 bhp) at 1600 rpm

Propulsion units

Two Aquamaster US 255 type steerable rudder propeller units with fixed five bladed Promarin propellers of 2600 mm diameters in Aquamaster 19-A type nozzles.

PERFORMANCE:

Bollard Pull

Ahead	68.10 tons
Astern	64.30 tons

DECK EQUIPMENT:

Towing/ Anchor Winch

Split drum hydraulic driven Windlass/Mooring Winch supplied by Kraaijeveld. The winch is equipped with brake quick release and load limiting device. The winch has a low speed pull of 18 tons @ 11 m/min and a high speed pull of 5 tons @ 33 m/min. The winch has a brake holding force of 150 tons and a rope capacity of 150 m x 80 mm diameter synthetic rope on each side.

Capstan

Speed 15 m/min and maximum capacity of 5 tons .

Towing Hook

1 unit Mampaey Safe Working load 100 tons/1000 kN.

NAVIGATION AND ELECTRONIC EQUIPMENT:

Optical and acoustical signalling equipment

Radar	Furuno FR-1505
Magnetic Compass Kotter type	Cassens and Plath
Auto Pilot	Simrad type AP50
GPS navigator	Furuno GP90
Echo Sounder	Furuno FE-700 LCD type
2 VHF radio type	Sailor RT4822 VHF/DSC
2 VHF hand held type	Tron TR2 GMDSS approved
SSB radio telephone	Furuno FS-1570
NAVTEX	Furuno NX-700A
AIS	Furuno UAIS FA-100

ACCOMODATION:

All accommodation spaces are situated above main deck level and provided for a crew of 4 persons in three cabins, together with a Mess/Day room and galley.

FIRE FIGHTING EQUIPMENT:

CO₂ fixed fire fighting installation in the machinery spaces.
Two General service pumps connected to sea water inlet and to the ship's set fire fighting hydrants.

AIR COMPRESSOR:

Two air compressors type Rexroth having a maximum pressure of 7 bar.

LIFE SAVING EQUIPMENT ON BOARD INCLUDES:

- 1 Jason cradle unit
- 1 EPIRB unit Jotron Tron-40S on 121,5/406 MHz
- 1 SART unit Jotron Tron Sart 9 Ghz

TANK CAPACITIES:

Fuel Oil (incl header tanks)	74.8 m ³
Fresh Water	8.6 m ³
Dirty Oil	2.9 m ³
Lubrication Oil	4.8 m ³
Sewage	2.9 m ³
Bilge Water	1.9 m ³
Fresh Water Ballast	15.4 m ³

SEWAGE TREATMENT PLANT:

Sewage plant type: Hamworthy STO with Libellula type L1-3H sewage pump with a capacity of 6.6 m³/hr at 1.5 bars.

GENERAL SERVICE/BILGE PUMPS:

Two electric driven general service/bilge pumps type Sterling AKHA 5101 with a 20 m³/hr flow capacity at 1.4 bars.