

MT PAWLINA

A TWIN SCREW AZIMUTHING STERN DRIVE TUG CONSTRUCTED BY DAMEN SHIPYARDS AT THEIR GORINCHEM SHIPYARD, NEAR ROTTERDAM

BUILT: 2006

DIMENSIONS:

Length O.A 30.60 m
Beam O.A 11.20 m
Depth at Side (midships) 5.00 m

CLASSIFICATION:

RINA C-Hull, Mach, Tug, Fire-Fighting Ship 1, Unrestricted Navigation, AUT-UMS

Gross Tonnage 353 tons
Net Tonnage 105 tons

PROPULSION :

Two Caterpillar 3516B TA HD/D series, air 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 2615 mm diameters in Aquamaster 19-A type nozzles class II ISO 484.

PERFORMANCE :

Bollard Pull

Ahead 67.10 tons
Astern 62.20 tons

DECK EQUIPMENT:

Towing/ Anchor Winch

Twin drum hydraulic driven Towing/Anchor Winch supplied by Ridderinkhof. The winch is specially designed and equipped with brake quick release, load limiting device, controlled brake slip feature and a load cell of each drum with displays fitted in the wheelhouse control stand. The winch has a low speed pull of 50 tons @ 10.7 m/min and a high speed pull of 8 tons @ 50m/min. Each drum has a brake holding force of 136 ton (second layer) and a rope capacity of 120m x96 mm diameter synthetic rope.

Capstan

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

Towing Hook

Single drum hydraulic driven aft towing winch manufactured by Dutch Marine Trading Co. (DMT). The winch is a modified version of type Nr. TW-H300KN. The winch consists of one (1) towing drum designed to accommodate 600 metres x 48 mm diameter steel towing wire in 9 layers. Winch fitted with de-clutchable auto spooling device. The winch has a low speed nominal pull calculated @ 2nd layer of 300 kN @ 11 m/min and a high speed nominal pull calculated @ 2nd layer of 80 kN @ 30 m/min. The winch has a brake holding capacity of 1500 kN on 2nd layer and 1660 kN on 1st layer.

NAVIGATION AND ELECTRONIC EQUIPMENT:

Optical and acoustical signalling equipment

Radar Furuno FR-1505 MKIII
Magnetic Compass Kotter type Cassens and Plath
Fleet BroadBand Satellite Phone: Furuno 150
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 Jotron Tron TR20
SSB radio telephone Furuno FS-1570
NAVTEX Furuno NX-700A
AIS Furuno UAIS FA-100

ACCOMODATION:

Captain and Chief engineer's cabins with shared ensuite facilities are situated above main deck together with a mess/Day room and galley. Two (2) cabins x two (2) berths each located forward below main deck level and also provided with shared ensuite facilities.

SALVAGE PUMPS, FIRE FIGHTING PUMPS, MONITORS & EQUIPMENT:

CO₂ fixed fire fighting installation in the machinery spaces.
Portable submersible salvage pump type Flygt BIBO 2066.171 with a capacity of 36 m³/hr.
Two fire fighting pumps type Kvaerner/Norgear each with a capacity of 1200 m³/hr and a pressure capacity of 11 bars.
Two fire fighting monitors type SKUM each with a capacity of 1200 m³/hr
One emergency independent driven fire fighting pump model HATZ with a capacity of 20 m³/hr.

AIR COMPRESSOR:

Two main air compressors type Quincy 25 model 325HP-L each having a capacity of 24 m³/hr with a maximum pressure of 25 bars.
One emergency air compressor type : Sperre HLH/11

LIVE 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
- 1 One (1) x rescue boat 4 m long rigid bottom inflatable boat complete with 25 HP outboard motor and launching davit.

TANK CAPACITIES:

Fuel Oil (incl header tanks) 93.2 m³
Fresh Water 28.8 m³
Dirty Oil 5.0 m³
Lubrication Oil 4.9 m³
Rudder Propeller Oil 2.7 m³
Steering Oil 0.5 m³
Sludge 5.0 m³
Hydraulic Oil 3.8 m³
Fresh Water Ballast 96.7 m³

SEWAGE TREATMENT PLANT:

Sewage plant type: Hamworthy STO

GENERAL SERVICE/BILGE PUMPS:

Two general service /bilge pumps of type DESMI self-priming horizontal centrifugal pumps model S70-50-175 with 30 m³/hr flow.
One FACET bilge water separator type CPS-2.5BV Mod 1 with capacity of 0.5 m³/h