STAN TUG 1606
February 2015
**CHARACTERISTICS**

**Main dimensions:**
- Length over all: 16.56 m
- Breadth over all: 5.54 m
- Depth at side: 2.54 m
- Draught aft: 2.23 m
- Full displacement: ± 90 ton
- Power: 2 x 448 kW
- Bollard pull: 16.0 ton
- Speed: 11.2 knots
- Class: I ✹ HULL • MACH Tug Coastal Area
**TANK CONFIGURATION**

**Capacities:**

- Fuel oil: 14.2 m³
- Fresh water: 1.1 m³
- Sewage: 0.7 m³
- Bilge w./Sludge: 0.5 m³
PROPULSION SYSTEM

- Main engines: Caterpillar C18 (IMO Tier II compliant) or Volvo D16 (IMO TIER III compliant)
- Reintjes reduction/ reverse gearboxes
- Stainless steel shafts
- Grease lubricated forward and aft bearing
- Heavy duty CuNiAl propellers
- Van der Giessen “Optima” nozzles with stainless steel inner plate
- Streamlined double plate rudders, rudder angle 2x 55°
ENGINE ROOM LAYOUT

EQUIPMENT

- Proven/ reliable propulsion installation
- Duplex fuel oil filters/ fuel water separators
- Closed cooling water system for main and auxiliary engines
- Forced engine room ventilation
- 35 dB(A) exhaust dampers of main engines
- Proven / reliable general service module
- Generator set Caterpillar C 2.2 of 20 kVA

Optional equipment:
- Second generator set
- Internal fire fighting system in engine room (Novec)
- Spacious fore deck
- Double bollards and fairlead integrated in bulwark
- Heavily built push knee with rubber fender
- Electric anchor winch
- Steps in push bow
- Substantial bulwarks of one meter in height
MAIN DECK LAYOUT

AFT DECK

- Spacious aft deck, safe working area
- Flush engine room hatch
- Towing bitt with hook
- Double bollards and fairlead
- Removable safety rail
- Bulwark of reduced height of 800 mm

Optional equipment:

- Coupling winches
- Hydraulic crane
- Electric capstan
STEELWORK DETAILS

- Four hoisting eyes in deck
- Handrail for improved safety
- SB + PS wheelhouse safe gangways
- Bulwark doors
- Rounded corners and closed construction
- Deck fitting are designed to easy maintenance
HULL DESIGN

- Rugged single chine construction with 10 mm hull plating
- Strong construction with 15 mm sheer strake
- Smooth water flow in aft ship
- Wire protection pipe
ERGONOMICS

- Modern and efficient standard layout
- Helmsman’s position on front at center line
- Ergonomic designed control panels
- Excellent all round view from helmsman’s position
- Comfortable settee with table

- Standard fitted with compass, VHF, radar, GPS and echo sounder
- Hydraulic powered steering gear
- Window wipers
- Double glass / ventilated front windows
**ACCOMMODATION LAYOUT**

**COMFORT**

- Modern accommodation with durable linings made of first class materials
- Completely lined and insulated
- Air conditioning unit for wheelhouse
- Floating floor and sound absorbing type ceiling in wheelhouse, noise level < 70 dBA
- Lockers and stores are provided

**OUTFITTING**

- Galley with refrigerator and cooker
- Sanitary space with wall mounted toilet and shower
- Store with wooden shelving
- Completely lined and insulated

**Optional outfitting:**

- Accommodation for 4 persons
- AC-installation accommodation
Hull construction and complete outfitting:

Damen Shipyards Changde, China
Recently delivered:
YN 503165 - Gabon
YN 503174 - Germany
YN 503178 - Spain
YN 503179 - Spain
YN 503180 - Canada
YN 503181 - Gabon
YN 503185 - UK

Under construction:
YN 503182-83-84
YN 503186-87-88-89
YN 503192-93-94-95
YN 503197-98-99
YN 503201-02
YN 503204 → ICE Class