

TUGS TOWING & OFFSHORE NEWS SPECIAL



Photo: Ruud Zegwaard



On Friday March 22nd the new build Neptune Shipyards B.V. Hardinxveld yardnumber NP 424 Standard Eurotug 2300 “**Amerstroom**” was christened at the Dutch shipyard for van Wijngaarden Marine Services B.V.

The multifunctional tug is built with towing, mooring, pushing, anchor handling, dredge support and supply basic functions.

She is classed Bureau Veritas I Hull Mach, Tug Unrestricted Navigation, AUT UMS Dutch Shipping Inspection Unrestricted navigation / SPI -Certificate



VAN WIJNGAARDEN MARINE SERVICES B.V.



Sponsor lady Mrs S.M. Verduijn-de Visser, spouse of van Wijngaarden's Technical Superintendent with flowers have christened the Eurotug 2300 "**Amerstroom**"





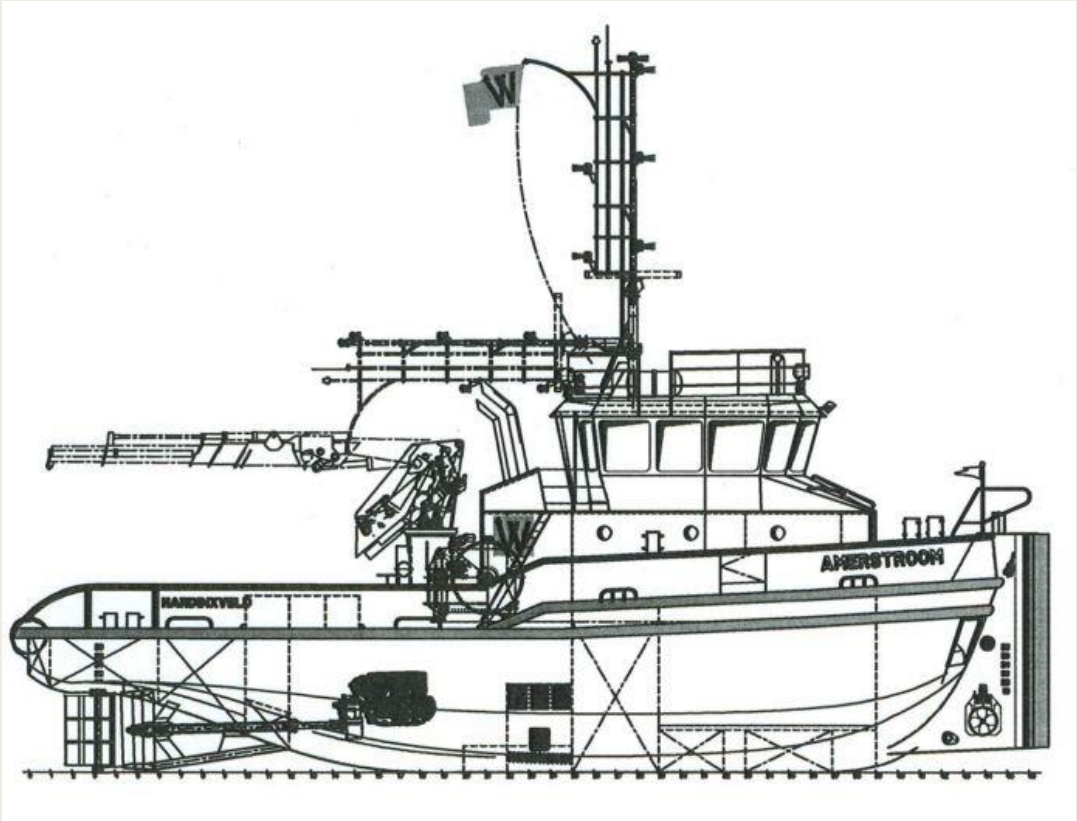
The tug was handed over by Neptune Shipyard director Mr. Martin de Kok (right) to Mr. W. van Wijngaarden the owner of Van Wijngaarden Marine Services, BV. – Sliedrecht; Netherlands



The **Amerstroom** is a type Standard Eurotug 2300 from the Neptune Shipyards B.V. - Hardinxveld-Giessendam / Aalst; Netherlands

On the 04th June 2012 the signing ceremony for the start of construction of a new tug / workboat for Van Wijngaarden Materieel Exploitatie B.V. took place at the office in Sliedrecht. Keel laying took place on the 01th Aug. '12. This newbuilding will be managed by Van Wijngaarden Marine Services BV, the delivery will be in March 2013. The Euro Tug 2300 will be named "**AMERSTROOM**" and will be constructed by Neptune Shipyards B.V. at Aalst (yardnumber - NP 424), locations: Hardinxveld-G'dam and Aalst (fitting out); Netherlands

The "**Amerstroom**" has a length of 23.68 meters. She is width 8.75 meters and has a depth at sides of 3.25 meters. Her minimum draft is 2.20 meters and maximum 2.65 meters. She has a displacement of maximum 230 tonnes a gross weight of 165 tonnes and a nrt of 49 ton.



CONSTRUCTION





LAUNCHING



On Thursday 18th October 2012, the new build tug / workboat “**AMERSTROOM**” was transported from the manufacturing hall to the riverside and launched by using the heavy gantry crane of the shipyard and a floating sheerleg. Thereafter the hull was prepared for towing / pushing to the fitting out location of Neptune Shipyards at Aalst. The transportation has done by the companies inland launches “**VLIESTROOM**” and “**MERWESTROOM**”.

Propulsion system:

The main power is provided by a pair of Caterpillar C18 diesels each developing 357 bkW (485 bhp) at 1,800 rev/min. This is delivered to a twin screw arrangement of fixed pitch propellers in 1,500 mm Kort Nozzle via ZF W650 gearboxes with reduction ratios of 6,120:1. On trails, this configuration gave the vessel a bollard pull of 16,5 tonnes and a free running speed of 10 knots. The FPP 92 kW bowthruster is hydraulic driven.



SB Main engine



PS Main engine

Auxiliary equipment:

The two Generator sets are Caterpillar – two C4.4 DI units, each of 65 kVA, 50Hz – 230/380V. The Caterpillar C-9 hydro set has a capacity of 189kW / 235 hp at 1,800 rev/min. The hydraulic bowthruster driven FPP has a capacity of 92 kW / 125 hp and a diameter of 595 mm. The Air Compressor has a capacity of 11.7 L/s at 10 bar.



Two Generator sets



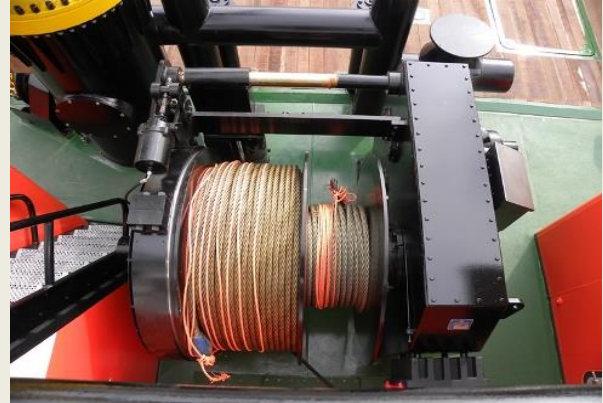
Hydraulic diesel powerpack

Deck layout:

The deck machinery comprises a Heila, type HLRM-65-4S, 65 T/m (4.5 tons – 12.74 mtr. / 13.5 tons – 4.86 mtrs Hydraulic crane. A Towing winch for a 650 mtrs – 30 mm steel wire, power 30 tons / 60 tons + incl., a Anchor Handling winch with a 55 mtrs 32 mm steel wire, power 30 tons / 60 tons. A tugger winch with a 8 tons power. Hydraulic pins and stern roller at 3.60 mtrs. Towing hook of 60 tons, a towing ring of 20 tons and 20 tons container locks (6 = 1 x 10/20 ft). Further a capstan and a Push bow. The Eurotug 2300 has the possibility to install a A-Frame with plough. There are also facilities for a moonpool.



Eurotug 2300 with crane in full length



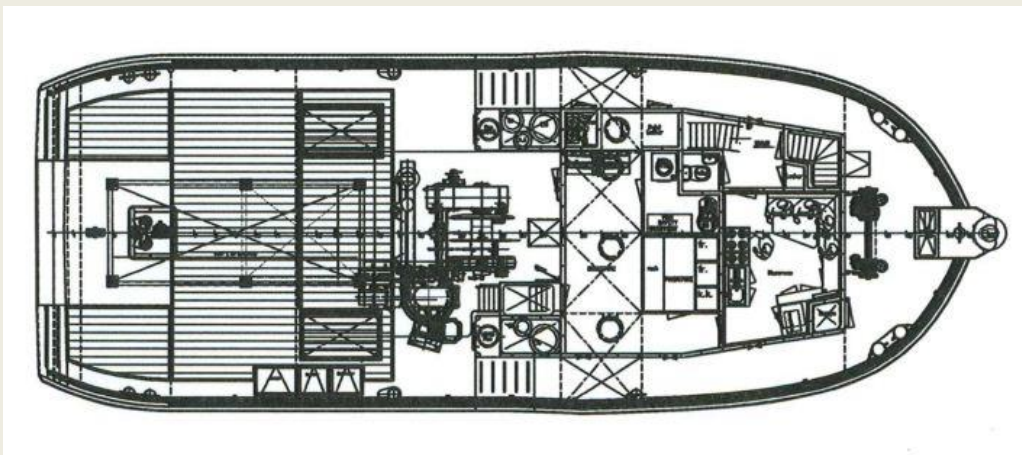
Towing – Anchor Handling winch arrangement



Towing Hook



Tugger Winch





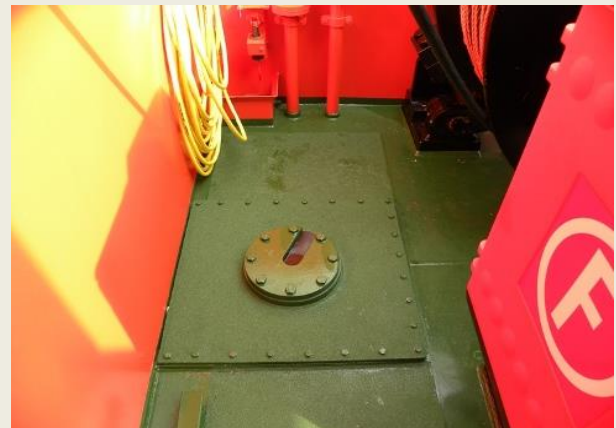
A-Frame



Fuel supply winch

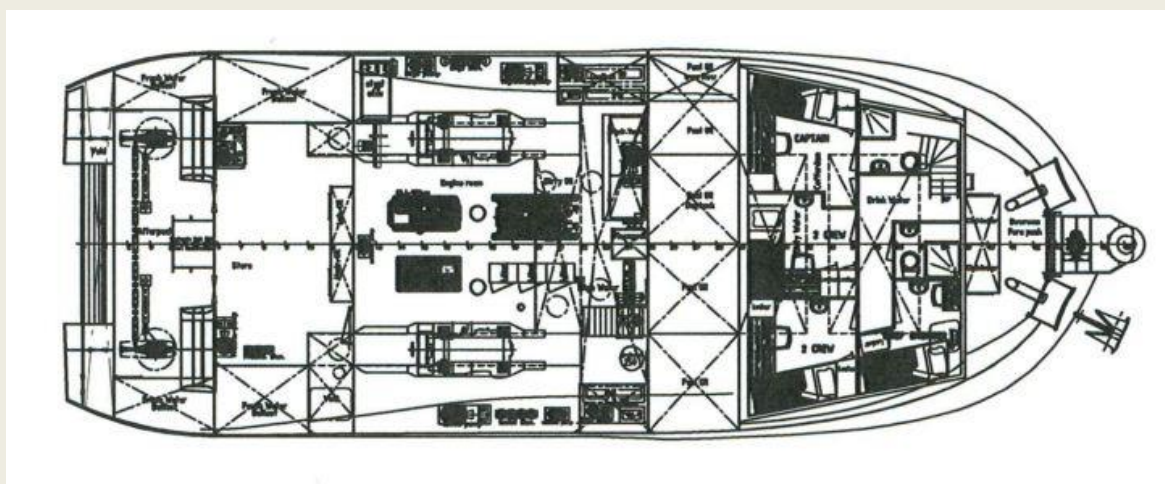


Anchor winches



Moon pool arrangement

Accommodation:



The tug has been outfitted to the highest standards heated and air-conditioned living quarters for a crew of 6 persons, consisting of a captain's cabin, an officers cabin, two double crew cabin, a galley and sanitary facilities.



Galley



Messroom



Two person crew cabin



Shower/Toilet

Nautical and Communication Equipment:



PS forward bridge console



SB Forward bridge console



Aft bridge manoeuvring winch control console

The bridge is equipped with extensive nautical and communication equipment. The nautical equipment consist one Furuno Radar sea/river an Anschuetz Gyrocompass; electric repeater compass Magnetic Compass; a Navigator GP150-GPS; Satelite navigation System a RH Sae/river pilot 75 Autopilot; a Furuno FE 700 Echo Sounder, a Furuno NX700 Navtex receiver; a Furuno FA-150 AIS; a Furuno DS-80 Speedlog; a Marble 421 Bridge watch alarm and a Meteo system Osermet OMC-139 wind indicator. The communication consist two Sailor RT6222 VHF radio telephone and one Sailor RT6248, DSC-SSB Radio, FBB system, two Inmarsat-C; EPIRB, SART, two HH VHF ; Satcom & GMS. The bridge has a beautiful good looking layout with an around view over the fore deck, aft deck and sides. This Neptune Eurotug 2300 is again built to the highest standards.



Sponsor lady Mrs S.M. Verduijn-de Visser received gifts from the yard director Mr. M. de Kok



From left to right Mr & Mrs Verduijn; Mrs & Mr v. Wijngaarden and Mrs & Mr de Kok

Towingline thanks the yard – Neptune Shipyard B.V. Hardinxveld-Giessendam - Aalst and owners – Van Wijngaarden Marine Services B.V. – Sliedrecht for their hospitality and invitation for the christening ceremony of the Standard Eurotug 2300 tug “**Amerstream**”

Towingline/Tugs Towing & Offshore News wish the vessel, the owner and her crew in all-weather work circumstances safe voyages

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