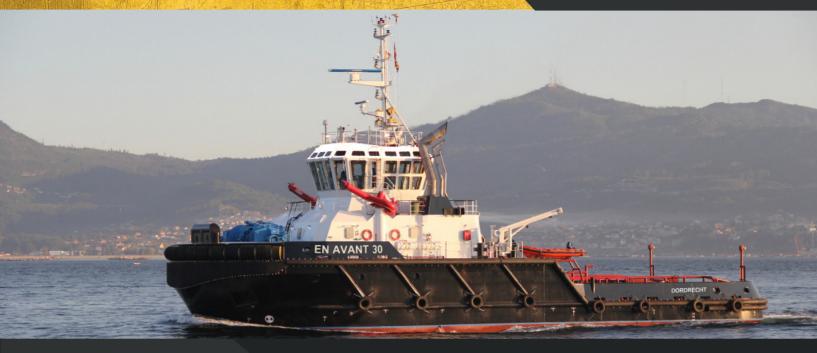


EN AVANT 30



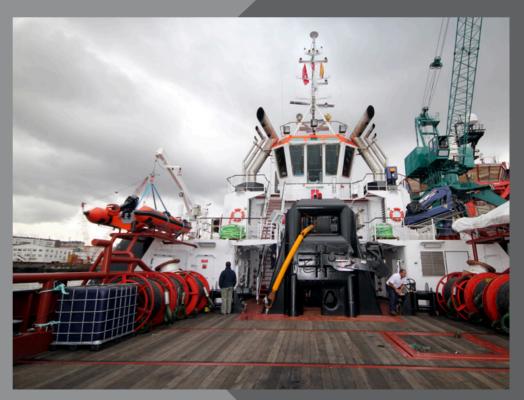
110 TON BOLLARD PULL Offshore & Anchorhandling tug

State-of-the-art, reliable, optimised performance

Since the foundation in 1918, MULLER has been building on expertise, reliability and inventiveness in the maritime business. With specialised marine equipment, we can offer you a tailored fit competitive towage service for your specific needs. MULLER performs core activities such as Harbour assistance, Coastal & Deep-sea towage, salvage and Heavy-lift & Transport. MULLER is owner & operator of inland & seagoing tugs up to 110 tons BP, seagoing ballastable heavy-lift pontoons up to 16.500 tons DWT, it's own harbour and yard in Dordrecht. Our crew is the driving element behind all those resources, with know-how, no-nonsense mentality, experienced and utmost dedication to offer extensive support to the offshore and marine industry.









The world in tow

ENAVANT 30 AHT Deepsea, FiFi2, Salvage & Escort







GENERAL INFORMATION

Year of construction 11/2011

Builder Astilleros Armon Vigo, S.A. Pontevedra, Spain Build type ASD, FiFi 2, Escort, Deepsea, AHT & Salvage tug Class

Bureau Veritas

Unrestricted Navigation. I 👱 HULL 👱 MACH Classification

Tug, Escort tug, Fire fighting ship 2, Oil recovery ship

AUT-UMS,

AUT-PORT,

SYS-NEQ-1,

INWATERSURVEY

Dordrecht, The Netherlands Port of registry & Flag

9597317 IMO Callsign PBPT

MAIN PARTICULARS

40.70 m Length o.a.

Breadth mld/o.a. 14.40 / 15.10 m (incl. D-fenders)

Depth 6.90 m Draught min/max 5.50 / 6.30 m 927 GT / 278 NT Gross/Nett tonnage Displacement empty/full 1476 / 2015 T 1274 T Lightship weight

PERFORMANCES

Bollard Pull cont. / max. 110 / 112 T 14,3 knots Speed

PROPULSION SYSTEM

Main engines 2 x MAN 9L 27/38

8.950 hp (6.570 kW) at 800 rpm Total power **Azimuth Thrusters** 2 x SCHOTTEL, type SRP3030 CPP **Propellers** 2 x 3400 mm controllable pitch 1 x SCHOTTEL 450 kW Bow Thruster

AUXILIARY EOUIPMENT

Auxiliary Engine sets 2 x MAN D2876 LE301, each 345kW @ 1500 rpm Emergency/harb. set 1 x MAN D2866 LXE20, 177kW @ 1500 rpm Shaft Generators Siemens Electronic 250kW 400V 50Hz FW maker 2,5m³/day basis Rev. Osmosis system

DECK LAY-OUT

AHT equipment

Free Deck Space 185m2 - well suited for Anchors and Materials. 1 x PALFINGER PK18500MD, SWL 940kg @ 13,10 m Deck crane Towing aft-winch IBERCISA Hydraulic driven waterfall w. split drum

Drum 1 1 x 1000m IWRC ø64mm Drum 2a 1 x 400m IWRC ø64mm Drum 2b 1 x 400m IWRC ø64mm Pull 110T / Break Holding 250T

Capacity aft-winch Duty on towing 95T line pull at 0-14m/min, 220T brake load. Spare tow wire winch IBERCISA Hydraulic driven winch, 8T Pull, placed underdeck, fitted wire 1 x 1000m IWRC \emptyset 64mm

Towing hook aft 1 x FERRI disc type 1514, SWL 130T 1 x FERRI disc type 1514, SWL 130T Towing/Escort hook bow

Towing/Escort winch bow 2 x ROLLS ROYCE Hydraulic driven Anchor/Escort winch type TW4200/1000, each with 1 drum fitted

with 300m ø78mm Dyneema rope

Duty on towing 110 T dynamic Pull, 420T brake holding load

1 x Karmov Karm Fork

2 x Karmoy Towing Pins, rotational with locking plate VSAT system 2 x Karmoy guiding pins with hardened rollers in aft Maintenance system

bulw., SWL 50T

2 x IBERCISA Hydraulic driven tuggerwinch 220/40

10T Pull, 15T Hold each

Stern Roller 250T SWL, dims. 4000mm x ø1800mm 2 x ROLLS ROYCE Hydraulic driven anchor winches Anchorsystem

Anchors 1140 kg each 8+8 chain lengths

SALVAGE & ANTI-POLLUTION EQUIPMENT SALVAGE EQUIPMENT:

2 x Elec. subm. pumps, 200m³/h cap. each, fitted with hoses and connections, cutting & welding equipment, ropes, wires, shackles, stretchers, pennant wires, towing chains, diving equipment. 2 x weelhouse remote contr. searchlights, fitted with 2000W Xenon lights.

ANTI-POLLUTION EQUIPMENT:

2 x Rec-oil tanks total capacity 120m3

1 x Rec-oil pump 20m3/hr

2 x Dispersant booms 6,00m, 2 spray booms with nozzles

1 x Dispersant Pump

FIRE FIGHTING EOUIPMENT

2 x main pumps KVAERNER 3600m3/h cap. each, 2 x elec. remote contr. monitors for water/foam with Fog/ Spray/ Jet fully compliant with FiFi2

TANK CAPACITIES

549,42 m³ Fuel Oil (MGO); incl. Rec-oil Rec-Oil (MGO) 119,66 m³ Fresh Water 43,32 m³ 63,10 m³ Lub/Hydr. Oil 7.00 m^3 Sludge 7.00 m³ Dirty Oil $8,35 \text{ m}^3$ Sewage tank 14.49 m³ Bilge water 103,04 m³ Water Ballast

1 x SOLAS Rescue Boat; 1 x Service/Work Boat

ACCOMODATION

Living quarters fully heated & air-conditioned, suitable for a crew of 14 4 single cabins with WC and Shower

5 double cabins with WC and Shower

Crew lounge, deck office, mess-room, galley, walk-in store, one cold store (4°C) and one freezer store room (-20°C)

NAUTICAL & COMMUNICATION EQUIPMENT

GMDSS area A3 equipped

Compass Gyro Compass SIMRAD GC-80 Satellite Compass Furuno SC-50 Radar system Furuno FAR 2117 X25 Kw Furuno FAR 2137 S30 Kw GPS 2 x Furuno GP-150 Autopilot SIMRAD AP-50

Echo sounder Furuno FE700 Speedlog Furuno DS-80 VHF Radio Telephone 2 x Furuno FM880 VHF Handheld 3 x GMDSS McMurdo R2 Navtex

Furuno NX-700 Furuno FA-150 AIS

Communication VSAT - Iridium - SSB - Phones ECDIS system 2 x Transas Navi-Sailor 4000 system Weather system Meteogroup Offshore SPOS onboard Weather station Wind system WS200 Furuno RD-33 2 x Inmarsat C FC 15, 1 x Sys. FC250 Inmarsat C system Data / TV, Intellian by Radio-Holland MARAD 4.43 system onboard & office

CONTACT DETAILS

E-mail, VSAT ea30@muller-dordrecht.nl E-mail Office operations@muller-dordrecht.nl Telephone Bridge +31 (0) 621 124 159 VSAT Telephone +31 (0) 123 456 789

www.muller-dordrecht.nl