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.
EN AVANT 30
AHT Deepsea, Fifi2, Salvage & Escort

GENERAL INFORMATION
Year of construction: 11/2011
Builder: Astilleros Armon Vigo, S.A. Pontevedra, Spain
Builder type: ASD, Fifi2, Escort, Deepsea, AHT & Salvage tug
Class: Bureau Veritas
Classification: Unrestricted Navigation. 1 Hull, 1 MACH
Tug, Escort tug, Fire fighting ship 2, Oil recovery ship
AUT-UMS, AUT-PORT, SYS-NEQ-1, INWATERSURVEY
Port of registry & Flag: Dordrecht, The Netherlands
IMO: 9597317
Callsign: P B P T

MAIN PARTICULARS
Length o.a.: 40.70 m
Breadth mid/o.a.: 14.40 / 15.10 m (incl. D-fenders)
Depth: 6.90 m
Draught min/max: 5.50 / 6.30 m
Breadth/Net tonnage: 927 Gt / 278 NT
Displacement empty/full: 1476 / 2015 T
Lightship weight: 1274 T

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

PROPELLION SYSTEM
Main engines: 2 x MAN 9L 27/38
Total power: 8,950 hp (6,570 kW) at 800 rpm
Azimuth Thrusters: 2 x SCHOTTEL, type SRP3030 CPP
Propellers: 2 x 3400 mm controllable pitch
Bow Thruster: 1 x SCHOTTEL 450 kW

AUXILIARY EQUIPMENT
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
FM maker: 2,5m³/day basis Rev. Osmosis system

DECK LAY-OUT
Free Deck Space: 185m² - well suited for Anchors and Materials.
Deck crane: 1 x PALFINGER PK18500MD, SWL 940kg @ 13,10 m
Towing aft-winch: IBERCISA Hydraulic driven waterfall w. split drum
Drum 1 1 x 1000m IWR6 ø64mm
Drum 2a 1 x 400m IWR6 ø64mm
Drum 2b 1 x 400m IWR6 ø64mm
Capacity aft-winch: Pull 110T / Break Holding 250T
Duty on towing: 95T line pull at 0-14m/min, 220T brake load.
Towwinch system: IBERCISA Hydraulic driven winch, BT Pull, placed underdeck, fitted wire 1 x 1000m IWR6 ø64mm
Towing hook aft: 1 x FERRI disc type 1514, SWL 130T
Towing/Escort hook bow: 1 x FERRI disc type 1514, SWL 130T
Towing/Escort winch bow: 2 x ROLLS ROYCE Hydraulic driven anchor/Escort winch type TW4200/1000, each with 1 drum fitted with 300m ø78mm Dynema rope
Duty on towing: 110 T dynamic Pull, 420T brake holding load
AHT equipment: 1 x Karmoy Karm Fork
2 x Karmoy Towing Pins, rotational with locking plate
2 x Karmoy guiding pins with hardened rollers in aft bulw. -SWL 50T
2 x IBERCISA Hydraulic driven tuggerwinch 220/40 10T Pull, 15T Hold each
2 x ROLLS ROYCE Hydraulic driven anchor winches 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 control, 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 EQUIPMENT
2 x main pumps KVAERNER 3600m³/h cap. each, 2 x elec. remote control. monitors for water/foam with Fog/Spray/jet fully compliant with Fifi2

TANK CAPACITIES
Fuel Oil (MGO): incl. Rec-oil 549,42 m³
Rec-Oil (MGO): 119,66 m³
Fresh Water: 43,32 m³
Lub/Hydr. Oil: 63,10 m³
Sludge: 7,00 m³
Dirty Oil: 7,00 m³
Sewage tank: 8,35 m³
Bilge water: 14,49 m³
Water Ballast: 103,04 m³

MOB
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
GMDS area: A3 equipped
Compass: Gyro Compass SIMRAD GC-80
Radar system: Satellite Compass Furuno SC-50 Furuno FAR 2117 X25 Kw
GPS: Furuno FAR 2137 530 Kw
Auto-pilot: 2 x Furuno GP-150 SIMRAD AP-50
Echo sounder: Furuno FE700
Speedlog: Furuno FS-80
VHF Radio Telephone: 2 x Furuno FM880
VHHandheld: 3 x GMDS McMurdo R2
Navtex: Furuno NX-700
AIS: Furuno FA-150
Communication: VSAT - Iridium - SSB - Phones
ECDIS system: 2 x Transas Navi-Sailor 4000 system
Weather system: Meteorgroup Offshore SPOS onboard
Weather station: Wind system WS200 Furuno RD-33
Inmarsat C system: 2 x Inmarsat C FC 15, 1 x Sys. FC250
VSAT system: Data / TV, Intellian by Radio-Holland
Maintenance system: MARAD 4.43 system onboard & office

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