

EN AVANT 10



60 TON BOLLARD PULL harbour and seagoing 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 of its own inland & seagoing tugs up to 70 tons BP, seagoing ballastable heavy-lift pontoons to 16.500 tons DWT, it's own harbour and yard in Dordrecht. Our crew is the driving element behind all those resources, with knowhow, no-nonsense mentality, experienced and utmost dedication to offer extensive support to the offshore and marine industry.









The world in tow

EN AVANT 10







GENERAL INFORMATION

Year of construction

Builder Astilleros Armon S.A., Vigo, Spain Build type ASD Seagoing&Harbour tug + FiFi ship Bureau Veritas Class

Classification I ♣ HULL ♣ MACH Tug

Fire fighting ship 1 - Water Spraying Unrestricted navigation ♣ AUT-UMS

Class Register nr 02252A Flag Netherlands PCPP Call sign 9264386 Port of registry Dordrecht

MAIN PARTICULARS

Length o.a. 30.00 m Breadth o.a. 10.00 m Maximum draught 4.80 m Air draught 22.39m Gross tonnage 358 T 107 T Nett tonnage

PERFORMANCES

Bollard Pull max 60.2 tons Speed 13.5 knots

PROPULSION SYSTEM

Main engines 2 x CAT Type 3516B TA-HD Total power 4.000 hp (2.983 kW) at 1800 rpm Gearboxes 2 x Reintjes LAF 741 / 2.033:1 2 x Schottel SRP1212 FP **Azimuth Thrusters Propellors** 2 x 2300 mm fixed pitch Nozzles Schottel RP, pressurised 1 x Schottel ST110LK 275HP Bowthruster

AUXILIARY EQUIPMENT

Generator Engine sets 2 x Caterpillar 3304B T Generator sets 2 x Caterpillar SR4 106 kVA each 50Hz, 230/400 V Capacity

Bowthruster aux. engine 1 x Caterpillar 3406

General transfer pumps 2 x ABB pump Azcne 70m2/hr

2 x ABB MN 50-125 Cool water pumps

Fuel separator Alfa Laval MAB 104-B24 1,6T/m3 Alfa Laval MAB 104-B24 1,6T/m3 Luboil separator

DECK LAY-OUT

2 x 570 kg Stockless anchor Anchor Chain 22mm - 137,5 m short link

Palfinger PK12080M BS1.2 remote controlled Deck crane

0.93 ton at 12,94 m, 10.7T/m

Escort winch Bi Kateak, hydraulic, 3,5T - 54m/min Dyneema rope, ø 80mm, 100m length MBL 150T

Towing winches Waterfall type

Bi Kateak, hydraulic, 18T - 20m/min Main winch

- Brake holding force 120T

800m - ø 44mm - MBL 1450 kN/ ABL 153 ton - Towing wire

Steel wire galvanised 6x36WS IWRC RHOL 1960N/mm

Second winch Bi Kateak, hydraulic, 25T - 14m/min

- Brake holding force

- Towing wire 650m - ø 44mm - MBL 1450 kN/ ABL 153 ton

Steel wire galvanised 6x36WS IWRC RHOL 1960N/mm

Capstan roller head Bi Kateak, hydraulic, 5T

Stern roller 2000mm, diam. 711mm, SWL 30 tons

FIRE-FIGHTING EQUIPMENT

FiFi 1 - Water Spraying FiFi monitors 2 x Kvaerner 1200m3/hr each FiFi system Kvaerner FiFi-pump B 1470-002

FiFi pump capacity 3600m3/hr

Spraying system Water, Foam (12m3) Deluge protection Waterspraying system fitted Internal FiFi system CO₂ in the engine room

Anti polution Fitted w. 2 booms with dispersant disposers

TANK CAPACITIES

Fuel Oil (MGO) 273,00 m³ Fresh Water 54,24 m³ 12,00 m³ Foam $5,10 \text{ m}^3$ Lub Oil $5,15 \text{ m}^3$ Dirty Oil $5,15 \text{ m}^3$ Engine Oil Gear Oil 7,51 m³ $7,51 \text{ m}^3$ Hydraulic Oil Water Ballast 7.69 m^3

ACCOMODATION

Heated and air-conditioned living spaces for 10 persons, consisting of a galley and mess room, captain's cabin, C.E cabin and a 1st officer cabin, officers sanitary facilities on the main deck, four double crew cabins, and crew's sanitary facilities below deck.

NAUTICAL & COMMUNICATION EQUIPMENT

GMDSS area A1 A2 A3 equipped Searchlights 2 x Seematz 1000W

1 x Kotter type / 1 x gyro compass Compass Furuno FR 1505 mk III + JRC 2253 Radar system

GPS Robinson APS mk III Autopilot Echo sounder Suzuki ES 1025

VHF Radio Telephone 2 x Sailor RT 5022 + DSC, 25 Watt

2 x Axis-50 VHF Handheld Navtex IRC NCR 330 SAAB R4 AIS SART McMurdo S4

Communication VSAT - Iridium - SSB - Phone ECDIS system 2 x Transas ECDIS system Weather system Meteogroup SPOS onboard

CONTACT DETAILS

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