AZIMUTH STERN DRIVE TUG 2811

“PIONEER”

GENERAL
Yard number 513204
Delivery date May 2019
Basic functions Towing and mooring
Classification Bureau Veritas

I X HULL + MACH Escort Tug (Bollard pull = 65 t) (maximum steering force = 47 t, maximum braking force = 64 t, maximum escort speed = 10 kn)
Unrestricted Service AUT UMS Inwater Survey COMF-NOISE 3, COMF-VIB 3
Flag The Netherlands
Owner Damen Marine Services B.V.

DIMENSIONS
Length overall 28.57 m
Beam overall 11.43 m
Depth at sides 4.60 m
Draught aft 4.65 m
Displacement 550 t
Gross tonnage 299 t

TANK CAPACITIES
Fuel oil 67.8 m³
Fresh water 14.0 m³
Lubrication oil 2.3 m³
Dirty oil 2.3 m³
Sewage 7.4 m³
Bilge water 4.9 m³
Urea 3.0 m³

PERFORMANCES
Bollard pull ahead 60.3 t
Bollard pull astern 60.5 t
Speed ahead 13.7 kn
Speed astern 13.8 kn

PROPELLION SYSTEM
Main engines 2x Caterpillar 3512C TA HD / D
Total power 3806 b.kW (5104 bhp) at 1800 rpm
Propeller diameter 2500 mm
Forced ventilation 56.000 m³/h
Exhaust emission IMO Tier III certified by classed

AUXILIARY EQUIPMENT
Generator sets 2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
General service pumps 2x Azcue CA-50/3A 20.0 m³/h
Bilge pump Megator L125 V-DBP
Fuel transfer pump Azcue BR-41-10 12.0 m³/h
Fuel oil purifiers 2x CJC PTUS 27/81 MZ-E2PWZ
Cooling system Box cooling + anti-growth system
Hydraulic system Two main engine driven pumps

DECK LAY-OUT
Anchors 2x 360 kg Pool (High Holding Power)
Anchor/towing winch Hydraulically driven two speed winch with split drum and warping head, pull 31.5 ton at 9.5 m/min, slack rope speed up to 41 m/min, 150 ton brake
Towing hook aft 65 ton
Fendering D-fender at sides, cylindrical fender at transom corners, cylindrical and W-block bow fender with water spray

ACCOMMODATION
For max. 6 persons (MLC 2006 compliant), insulated and finished with durable modern linings, acoustic ceiling in the wheelhouse, floating floors and air-conditioned. Captain’s cabin, chief engineer’s cabin, two double crew cabins, galley, mess/dayroom, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT
Searchlight Norselight 2000 W
Radar system Furuno FAR 1518-BB
ECDIS Furuno FMG-3000
Compass Cassens & Plath Reflecta 11
Autopilot Simrad AP-70
Satellite compass / GPS Simrad GN70/HS80A
Echosounder Furuno FE-800
VHF radio telephone 2x Sailor 6222 (one with DSC)
VHF hand-held 2x Jotron Tron TR-20
UHF Motorola DM400
Navtex Furuno NX-700B
AIS Furuno FA-170
SSB Furuno FS-1575
EPIRB Jotron Tron 60S
Sart Jotron Tron Sart20
VSAT system Intellian V60G
Anemometer Gill Instruments G2200
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