



AZIMUTH STERN DRIVE TUG 2810

"VB SAHARA"

© Picture: Antonio Alcaraz Arbelo

GENERAL

Yard number	512383
Delivery date	February 2017
Basic functions	Towing, mooring and fire-fighting operations
Classification	I * HULL • MACH Tug Unrestricted Navigation AUT UMS IWS Fire Fighting Ship 1
Flag	St. Vincent
Owner	Boluda

DIMENSIONS

Length overall	28.67 m
Beam overall	10.43 m
Depth at sides	4.60 m
Draught aft	4.75 m
Displacement	553 t

TANK CAPACITIES

Fuel oil	72.6 m ³
Fresh water	16.4 m ³
Foam	6.6 m ³
Lubrication oil	9.2 m ³
Hydraulic oil	0.36 m ³
Dirty oil	3.1 m ³
Sewage	2.2 m ³
Sludge	3.1 m ³
Bilge water	5.2 m ³
Dispersant	4.7 m ³

PERFORMANCES

Bollard pull ahead	60.8 t
Bollard pull astern	56.0 t
Speed ahead	14.0 kn
Speed astern	13.8 kn

PROPULSION SYSTEM

Main engines	2x Caterpillar 3516C TA HD / C
Total power	3730 bkW (5000 bhp) at 1600 rpm
Azimuth thrusters	2x Rolls Royce US 205
Propeller diameter	2400 mm
Forced ventilation	55.000 m ³ /h

AUXILIARY EQUIPMENT

Generator sets	2x Caterpillar C4.4 TA, 230/400 V, 107 kVA, 50 Hz
Bilge pumps	2x Sterling AKHA 5101 each 20 m ³ /h
Fuel pumps	Sterling AKHA 4101 and AOHA 3101
Cooling system	Box cooling + anti-growth system
Fresh water pressure set	Sterling HBK 111 / AOHA 1202
Hydraulic system	Double main engine driven pumps
Fuel oil purifier	Westfalia OTC 2-02-137
Oil pollution control	Dispersant pumpset with 2 spraybooms
Fifi set	Diesel driven pump 2400 m ³ /h (FIFI 1)
Fifi monitor	2x 1200 m ³ /h, water/foam

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 35 ton at 9.2 m/min, slack rope speed up to 28 m/min, 150 ton brake
Capstan	Electrically driven, 5 ton at 15 m/min
Aft winch	Hydraulically driven two speed winch with spooling device, pull 35 ton at 9.2 m/min, reduced pull up to 27.6 m/min on second layer, 150 ton brake
Fendering	D-fender at sides, cylinder fender at transom corners, W-block bow fender and tyre fenders on fore ship

ACCOMMODATION

For 7 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. Captain's cabin, chief engineer's, one single + two double crew cabins, galley, mess/dayroom, dry store and sanitary facilities.

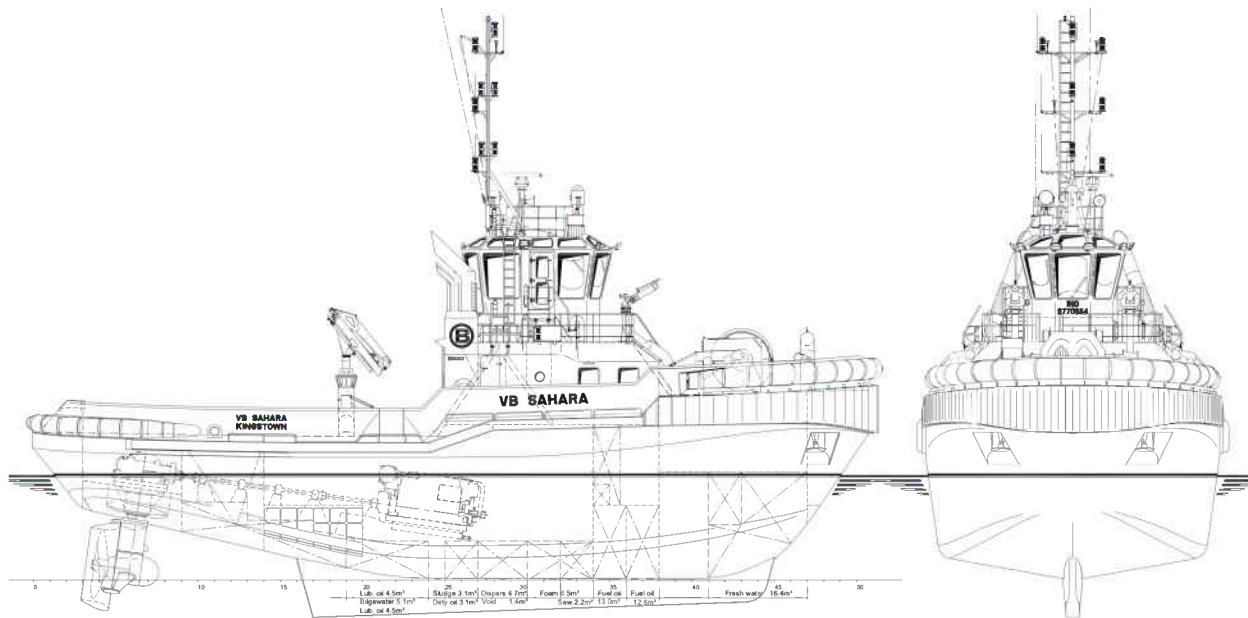
NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	2x Xenon 450 W
Radar system	Furuno FAR 2117 with 19 inch screen
Compass	Magnetic Kottler
Autopilot	Simrad AP-70
GPS	Furuno GP-150
Echosounder	Furuno LS-6100
VHF	2x Sailor Compact 6222 (one with DSC)
VHF hand-held	2x Jotron Tron TR-20
Navtex	Furuno NX-700
ALS	Furuno FA-150
SSB	Furuno FS-1575
EPIRB	Jotron Tron-60S
Sart	Jotron Tron sart20
Anemometer	Observer, Windsonic OMS 115

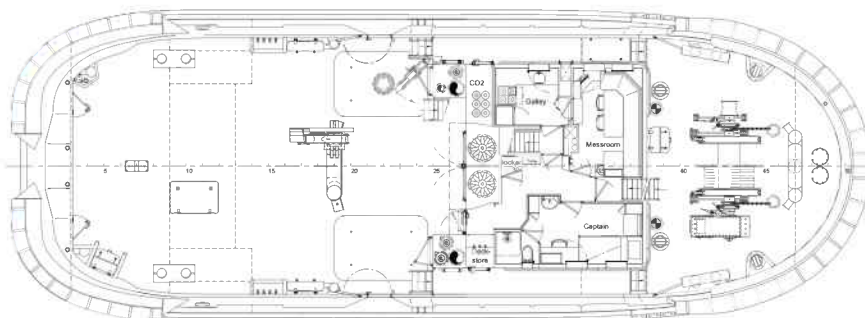
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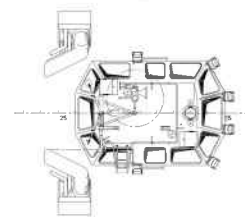
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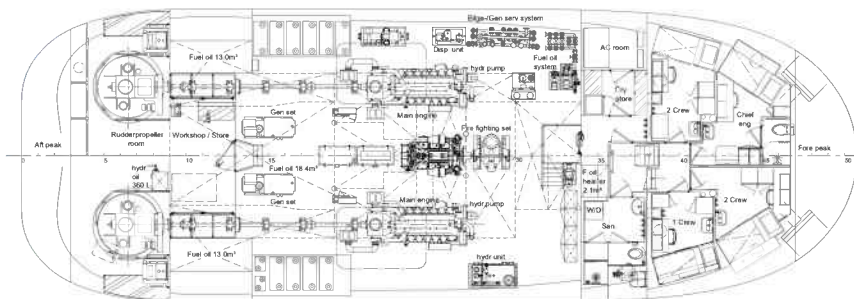
Main deck



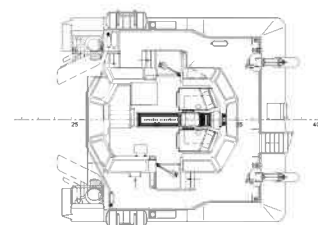
Top deck



Below Main deck



Bridge deck



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