

ASD Anchor Handling Tug ATLANTIC VORTEX

5400 BHP | 70 TBP



SPECIFICATIONS:

Azimuth Stern Drive Anchor Handling Tug

GENERAL:

Vessel Type:	Azimuth Stern Drive Anchor Handling Tug
Year Built:	2009
Previous names:	OP SPRITE
IMO no:	9499199
Official no:	742022
Call sign:	ZJL8034
Classification:	LRS + 100A1 Tug+LMC+FiFi1 with Water spray, Unrestricted
Flag:	British Virgin Islands

DIMENSIONS:

Length Overall:	31.00 m
Beam:	11.00 m
Depth:	Moulded 5.60 m
Design Draft:	4.60 m
GRT:	478 T
NRT:	143 T

CAPACITIES:

Fuel Oil:	180 T
Fresh Water:	65 T
Max. Speed:	12 Knots

PERFORMANCE:

Bollard Pull:	70m/T Ahead @ 100% MCR 65m/T Astern @ 100% MCR
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MACHINERY:

Main Engines:	2 Caterpillar High Speed 4 Stroke Engines
Total Power(MCR):	4000kW@1600 rpm
Propulsion:	2 Rolls Royce Aquamaster CPP Azimuth Units
Propeller Diameter:	2600 mm Diameter Nozzle Type TK

Bow Thruster Tunnel: Mounted, transverse diesel driven FPP Thruster of 250 BHP

POWER GENERATION:

Main Generators:	2x4 Stroke Marine Diesel Generating Sets
Output:	2x380 Volts, 50Hz, 3 phase, 136 kW
Harbour Generator:	Air Cooled Diesel Generator
Output:	380 Volts, 50Hz, 3 phase, 69 kW
Shore Supply:	380 Volts, 50Hz, 3 phase, 100 Amperes
Power Supply:	Main Power-380 Volts, 3 phase, 50Hz, 3 wire General Lighting Low Power-220Volts, 1Phase, 50Hz Alarms, Radio and Navigation Systems-24 V DC

DECK EQUIPMENT:

Anchor Windlass/Towing Winch:

Electro-Hydraulic anchor windlass with split towing drum, two declutchable warping drums and two gypsies, Local and wheelhouse control

Forward Towing Winch:

Split Drum Capacity 2x110mx80mm Polyprop Rope.
Brake Holding Capacity 150 Tonnes Static (1st Layer)
Pull 18 Tonnes at 0-10 M/min (1st Layer)
4 Tonnes at 0-40M/min (1st Layer)



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Main Towing Winch:

Electro-Hydraulic single drum towing winch with double warping heads and spooling device, Local and wheelhouse control.

Drum Capacity 700 metersx52mm SWR.

Brake Holding Capacity 175 Tonnes Static (1st Layer)

Pull 20 Tonnes at 0-8M/min,

5 Tonnes at 0-24 M/min

Stern roller: 3.0 m length x 0.65 m diameter.30 tonnes SWL

Fendering:

Bow fitted with Vertical Block Rubber Fender and sausage fender.

Side Fenders-250mm Schedule 80½pipe fenders terminating with rubber fendering on stern quarter

Aircraft Tyres fitted along ships side.

Deck Crane:

Qty 1 Electro-hydraulic, Telescopic Marine Crane SWL 1 Tonne at 10 metre radius.

ACCOMMODATION:

Air Conditioned: Full A/C with 100% Redundancy

Accommodation: 2x1berth, 3x2berth, 1x4 berth

All berths with en suite facilities

Total Berths: 12 Men

EXTERNAL FIRE FIGHTING:

Equipment: Classed as FiFi1

No of Monitors: 2x1200 m³/hr Remote Control Water/ Foam

Remote Control

Throw Length 120 m at 45 m height

Throw Height 45 m height at 120 m length

No of Pumps: 2x1500 m³ / hr at 14 Bar Pressure.

Pumps main engine driven via step up gearbox.

Water Spray Curtain: Curtain around Hull, Deck and Superstructure

Fireman's Outfits: Additional suits as per FiFi 1 Requirement

Foam System: Foam proportioning injection system located on each pump. Foam Tank Capacity 10 m³

NAVIGATION/ COMMUNICATION:

Radio Equipment: Vessel fitted with equipment complying with GMDSS Area A1+A2+A3.

AIS JRC/JHS-182

LRIT combined with INM-C JRC/JUE-85

GPS JRC/JLR-7700MK II

Radar/ARPA JRC/JMA-5210-6

Speed log Yokogawa/EML500-HV1

Two way VHF radiotelephone apparatus

JRC/JHS-7

Radar transponders ACR/Pathfinder TM3 SART

Satellite EPIRB SIMRAD/EP-50

Thuraya satellite system

Searchlight: 2x1000W. 360 Rotation. Remote Controlled from wheelhouse.

VESSEL SAFETY EQUIPMENT:

On Ship Safety:

To Flag state and Classification Society Requirements

Vessel Lifesaving Equipment:

To Flag State and Classification Society Requirement

Anti Pollution Equipment:

Dispersant Delivery System Qty 2x6 m spray booms

Dispersant Tank 10 m³ capacity