



## ASD Anchor Handling Tug

# VORTEX ORYX

5000 BHP | 69 TBP



### SPECIFICATIONS:

### ASD Terminal Support and Anchor Handling Towing Tug

#### GENERAL:

Vessel Name:	VORTEX ORYX
Year Built:	2012
	Jiangsu Zhenjiang Shipyard Co Ltd
Flag:	St. Vincent & Grenadines
Port of Registry:	Kingstown
Classification:	LR, 100A1, TUG, Fire Fighting Ship 1 with water spray LMC, UMS, IWS, WDL 5T m2

#### DIMENSIONS:

Length Overall incl. fenders:	31.50 m
Length B.P.:	26.80 m
Beam (moulded):	11.00 m
Depth (moulded):	6.10 m
Draft:	4.60 m
GRT:	442 T
NRT:	132 T
DWT:	125 T
Clear Deck Space:	About 70 m <sup>3</sup>

#### CAPACITIES:

Fuel Oil:	216.5 m <sup>3</sup>
Fresh Water:	42.7 m <sup>3</sup>
Ballast Water:	73.4 m <sup>3</sup>
Foam:	34.5 m <sup>3</sup>
Accommodation:	5 cabins, 8 berths

#### PERFORMANCE:

Bollard Pull:	69m/T Ahead (SBP) 65m/T Astern
Design speed:	12.5 kn
Fuel consumption:	4m <sup>3</sup> /day @ eco 13m <sup>3</sup> /day @ 100% MCR

#### MACHINERY & PROPULSION:

Main Engines:	2 Niigata Model: 6L28HX Engines
Continuous Rating :	1838kW @ 750 rpm/each
Propulsion:	2 Z-peller Niigata Model: ZP-41 Units
Propeller Diameter:	2700 mm Diameter
Propeller Speed:	220 rpm

#### AUXILIARY ENGINES:

Type:	2 x Cummins CCJS150KCS, 150KW@1500rpm
Output:	3x400V 50Hz
Type:	1 x Cummins CCJS60KCS, 60kW@1500rpm
Output:	3x400V 50Hz

#### DECK EQUIPMENT:

Winch Forward:	30T x 10m/min (Brake force: 175T) 2 x 110 m x 80 mm rope
Winch Aft:	30T x 10m/min (Brake force: 175T), 1 x 110 m x 120 mm rope, 1 x 800 m x 52 mm wire
Tugger winch:	10T x 10m/min





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### NAVIGATION/ COMMUNICATION:

Magnetic compass:	Saura SR-165
Satellite Communication:	Furuno Felcom-16
GPS:	Furuno GPS-150
Radar:	Furuno FAR-2117 Furuno FAR-8122
Echo sounder:	Furuno FE-700
Auto pilot:	Simrad AP-50

### COMMUNICATION:

GMDSS area:	A3
Broadband:	FBB 250 thrane & thrane
VHF:	2 x Furuno FM-8800S

### OTHER:

Fire Fighting:	FIFI 1
Deck crane:	1xPalfinger fully hydraulic foldable crane 2T on single wire Hydraulic outreach 7.8m; Winch: 0.8T at 7.8m; Hook: 3T at 2.3m
MOB boat:	1 x Rescue boat