



OVERVIEW

Primary Specification	
Registry:	AMSA
Class:	USL 2B & 2D
Official Number/Unique Identifier:	2633
Length (Overall):	34.95m
Breadth (Moulded):	15.0m
Depth (Moulded):	3.0m
Design Draft (lightship):	1.7m
Gross Registered Tonnage:	467T
Max Draught Dredging Load Line:	2.1m
Vessel Weight (lightship):	712T
Accommodation:	N/A

Machinery	
Propulsion:	N/A
Main Engines:	2 x Cummins QSK-19 448kW
Total Propulsion Power:	N/A
Gear Box:	N/A
Generator:	2 x 18KVA (3 phase)
Bow Thruster:	4 x Keypower thrusters 120KW ea.

Operational Performance	
Bollard Pull:	N/A
Max Sailing Speed Unloaded:	N/A
Max Sailing Speed Loaded:	N/A
Consumption at Idle:	20L/HR
Consumption Sailing:	N/A
Consumption Dredging:	130L/HR

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Tank capacities	
Fuel:	21.5m ³
Fresh Water:	1.32m ³ & 1.0m ³ Desal
Water Ballast:	176.0m ³
Hydraulic Oil:	0.6m ³
Lube Oil:	0.6m ³
Waste Oil:	2 x 1.32m ³
Sullage:	3.0m ³
Fuel Tranfer Pump:	1 x pneumatic Graco Diaphragm
Dredging Data	
Excavator:	Hitachi Super EX 1800-3
Boom Length:	8m main boom & Int Boom
Stick Length:	5m / 9m
Max Dredging Depth:	17m
Bucket Capacity:	1.5m ³ /3m ³ /4m ³ /6m ³
Hydraulic Grab Capacity:	3m ³
Aft Spuds:	2 @ 24m long / 1.2m dia.
Fwd Spuds:	1 @ 24m long / 1.2m dia.
Spud Control:	Hydraulically controlled via remote
Jack Up Capacity	100T
Position, Height Control:	GPS RTK Positioning

Navigational/Communications	
Radar System:	N/A
Depth Sounder:	N/A
HF Radio:	MF-HF JRC JSS2148
VHF Radio:	1 X ICOM 80
Compass:	N/A
GPS:	DGPS JRC JLR 7800
Chart Plotter:	N/A
Auto Pilot:	N/A
AIS:	Oceantalk AIS-700
MMSI:	503736000

Deck Machinery/Equipment	
Anchor Windlass:	6T Winch Emergency Anchor
Deck Crane:	FASSI F360XP .28 885kg@20.9m
Tow Bridle Recovery Winch:	6T Hydraulic Winch
Capstan:	N/A
HPU:	Perkins
Office:	20ft fitted out container
Crib:	20ft fitted out container
Ablution:	Mascerator Pump
Workshop:	10ft container



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