



OVERVIEW

Primary Specification	
Registry:	AMSA
Class:	USL 2B & 2C
Official Number/Unique Identifier:	1637
Length (Overall):	32.7m
Breadth (Moulded):	9.14m
Depth (Moulded):	2.73m
Design Draft (lightship):	1.35m
Gross Registered Tonnage:	242T
Max Draught Dredging Load Line:	1.8m
Vessel Weight (lightship):	311T
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 20KVA (3 phase)
Bow Thruster:	N/A

Operational Performance	
Bollard Pull:	N/A
Max Sailing Speed Unloaded:	N/A
Max Sailing Speed Loaded:	N/A
Consumption at Idle:	10L/HR
Consumption Sailing:	N/A
Consumption Dredging:	70L/HR

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Tank capacities	
Fuel:	9.5m ³
Fresh Water:	2.0m ³
Water Ballast:	75.0m ³
Hydraulic Oil:	0.6m ³
Lube Oil:	0.6m ³
Waste Oil:	1.0m ³
Sullage:	1.8m ³
Fuel Tranfer Pump:	1 x pneumatic Graco Diaphragm
Dredging Data	
Excavator:	Hitachi Super EX 1100-3
Boom Length:	15m
Stick Length:	5m / 8.6m
Max Dredging Depth:	14m
Bucket Capacity:	1.5m ³ /3m ³ /4m ³
Hydraulic Grab Capacity:	3m ³
Aft Spuds:	2 @ 11m long, 4m & 7m extensions
Fwd Spuds:	1 @ 22m long
Spud Control:	Hydraulically controlled via Operators Cab
Jack Up Capacity	55T
Position, Height Control:	GPS RTK Positioning
Dredging Control:	Teledyne Reson PDS

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:	503000490

Deck Machinery/Equipment	
Anchor Windlass:	Emergency Anchor
Deck Crane:	1T Hiab
Tow Bridle Recovery Winch:	4T Hand Winch
Capstan:	N/A
HPU:	Perkins
Office:	20ft fitted out container
Crib:	20ft fitted out container
Ablution:	Blackwater Tank
Workshop:	20ft fitted out container



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