

# VERITAS PEARL

## GENERAL DESCRIPTION

An ultra-shallow draft self-elevating platform. Of modular construction, configured for diving and seabed levelling operations; with catered accommodation for 20 persons and half of deck available for client equipment.



## PARTICULARS

Type	Self-Elevating Platform
Flag	Kazakhstan
Port of Registry	Aktau
IMO NUMBER	8770003
Registration No.	0631PC
Classification Society	Kazakhstan Register of Shipping (KZR)
Navigation/ Class Notation	*O-PR 2.0 (KZR) North of parallel 44°55' Coastal area 20NM, wave height 2.0m Flat platform *100 A5 K(20 (GL) No restrictions. Sailing on propulsion units is allowed within port and offshore facilities. In winter, towing is allowed northward 44th parallel of Caspian Sea, subject to mandatory icebreaking support.
MMSI	436000133
Call Sign	USC
Year of Build	2006 pontoons (Netherland) 2007 assembled (Bautino, KZ)
Place of Build	Netherlands, Hull No. Combifloat 73, GL Registration No. 214637 Class +100 A5K (20) Coastal Service

## PERFORMANCE

Towing Speed	4.5 knots
Fuel Consumption	Gensets 300ltr/day, Power Packs 10ltr/hr each
Endurance	15 days (with 20 persons on board)
Thruster Service Speed	3 knots

## PRINCIPLE PARAMETERS

L.o.a	32.0m
Freeboard	0.556m minimum
Breadth	18.3m
Depth	2.13m
Minimum Draft	1.5m
Working Load Draft	1.6m
Spud Legs	4
Spud Leg Length	34.0m
Spud Leg Diameter	1.22m
Displacement	770 tons
Deck:	
- Area	270m <sup>2</sup>
- Strength	15t/m <sup>2</sup>
Payload	350t
Gross Registered Tons	329 grt
Net Tons	99 nrt
Moonpool	1 of 50cm diameter

## CAPACITIES

Fuel	21.0m <sup>3</sup>
Water	21.0m <sup>3</sup>
Sewage	42.0m <sup>3</sup>
Accommodation:	20 beds (2 men cabins)
- Crew	8 (including catering)
- Client	12
- Client Office	12m <sup>2</sup> , 2 desks
- Client Storeroom	6m <sup>2</sup>
- Client Changing Room	6m <sup>2</sup>
- Mess Area	25m <sup>2</sup>

## LIFESAVING EQUIPMENT

Life Raft	PSN 2 x 20 persons
LSA	Full Complement

## SURVIVAL CONDITIONS

Current	1m/s
Max. Wave Height	5m
Max. Wind Speed	120km/hr

## JACKING SYSTEM

Jacking Type	Hydraulic, mechanically engaged
Powerpacks	HPP90S/HPP91S, Operating pressure 150Bar
Jacking Speed	6m/hr
Jacking Stroke	0.6m

## ANCILLARY EQUIPMENT

Anchors	1 x 1,500kg Delta-flipper type; on hydraulic winch
Anchor Wire	1 x 26mm, 200m
Tugger Winch Capacity	8mm, 20m
Crane:	
- Hydraulic Fassi F110A 22	5.28 tons at 2m, 2.0t at 5m, 1.33t at 7.9m
Towing Equipment	50t SWL
Work boat	Zodiac Mk 5 with 36hp diesel outboard
Water Maker	Water Bird Reverse Osmosis Plant, Capacity 5-7m <sup>3</sup> per day
Compactor	ORWAK 5030 B
Deck Connections	3 x 400V, 3 phase, 50Hz, 2 x 230V, single phase, 50Hz
Fueling	Pistol type with purifier
Gangways	2 x 6m
Fenders	2 x 2m Yokohama
Portable Gas Detectors	2 x GasAlertMax XT II

## MACHINERY

Power Packs	2 x Deutz Diesel Engines, 1700S B20 3R00 A1MO, 2 x 90kW, redundancy assured.
Positioning Eqpt	2 x OD150N Thrustmasters, 2 x 130kW, 2 x 762mm Propellers
Generator	Geko Super Silent 130000, 2 x Deutz Diesel Engines, BF6M1013E, 2 x 128kW Himoina Silent Plus, 1 x Scania Diesel Engine, HRSW-505 T5 S+, 1 x 440kW

## OPERATIONAL CONDITIONS

Jacking Capacity	300t/leg
Max. Wave Height	3m
Max. Wind Speed	50km/hr

## 500M ZONE EQUIPMENT

H <sub>2</sub> S sensors	Honeywell Analytics, Sensepoint, H2S 0-50 ppm
CH <sub>4</sub> sensors	Honeywell Analytics, Sensepoint, LEL, 0-100%
Temporary refuge	20 persons for 2hrs

## NAUTICAL AND COMMUNICATION

GMDSS	A1
Radar	1 x Koden MDP640
Gyrocompass	1 x Teledyne Meridian TSS with Universal Digital Repeater DR-209M
Echo Sounder	Depth Finder GARMIN GPS MP 585 Plus
VHF Radios	1 x VHF Marine Radio, Standard Horizon Quest-X GX1500S, 1 x VHF Marine Radio, JMC RT-2500, 3 x Portable VHF, Samyung STV-160, 3 x Portable VHF, ExibIIBT3, Standard Horizon HX400, 3 x Portable VHF, 2Ex ic IIA T6 X, Icom IC-M88
Satcom	Thuraya IP Maritime, Voice & Data, 2 x Ku-band receiver, 6Mbps up/down.
AIS	AIS Transas T105B type B
Other	SART / AIS SART, 2 x Modem 4G Altel L02HI MIFI TS



