

# AHTS



VESSEL CAPABILITIES

OFFSHORE TOWAGE



SUPPLY LOGISTICS



# POSH GEMSBOK

## Vessel Information

The POSH Gembok is a shallow-water Anchor Handling Tug Supply (AHTS) vessel equipped with 5,150 BHP and a 60-tonne bollard pull (TBP). Designed specifically for operations in shallow waters, AHTS vessels like the POSH Gembok excel in supporting offshore oil and gas projects, anchor handling for rigs and barges, towing operations, and providing supply and logistical support in coastal and nearshore environments.

- Length 64m X Beam 18.5m
- Deck Area 400m<sup>2</sup>
- Accommodation for 25 Persons
- 60 TBP
- Fi-Fi Class 1
- Top Speed 12 Knots
- Designed to support various offshore operations, such as towing, positioning and anchor handling.

## PRINCIPAL PARTICULARS

YEAR BUILT	2017
FLAG	Singapore
CALL SIGN	9V5364
BUILDERS	Paxocean Engineering Zhuhai Co Ltd
OFFICIAL NO	9830331
CLASSIFICATION (ABS)	✱A1 Offshore Support Vessel (AH-TOW, Supply-HNLS, OSR-C2, FFV1), Ⓢ, ✱AMS, ✱ACCU, SPS, MLC-ACCOM, ENVIRO, UWILD, RW

## DIMENSIONS & TONNAGE

LENGTH OVERALL (LOA)	64m
BEAM OVERALL (BOA)	18.5m
DEPTH MOULDED	5.6m
DRAFT (DESIGN)	3.2m
DRAFT (MAXIMUM)	4.6m
DISPLACEMENT	4,208T
GROSS TONNAGE	2,252T
NET TONNAGE	675T
DWT 6.6m DRAFT	2,458T

## MAIN PROPULSION & MACHINERY

BOW THRUSTERS	2 x 550kW transverse tunnel type
MAIN ENGINE	2 x Caterpillar 3516C1, 1920kWeach (Total 5,150 BHP)
SHAFT GENERATORS	2 x 1,500kW
DIESEL GENERATORS	2 x Caterpillar C18, 350kW each, 1 x Caterpillar C4.4
EMERGENCY GENERATORS	94kW
PROPELLERS	2 x CP Propellers in fixed nozzles
RUDDERS	China Empire Marine Equipment Factory 4.2m <sup>2</sup>

## ACCOMMODATION

BERTH TOTAL	25
CABIN CONFIGURATIONS	7 Singles, 7 Doubles, 1 Quadruples

## CRANE & DECK EQUIPMENT

FIXED CRANE	1 x electro-hydraulic knuckle crane SWL 3.0T@16m radius
DECK CARGO AREA	400m <sup>2</sup>
DECK CARGO DIMENSION	27.6m x 14m
DECK CARGO CAPACITY	800T
DECK STRENGTH	5T/m <sup>2</sup>
REEFER POINTS	2x50Amp,440/3/6, 2x50Amp,220/3/60

## CAPACITIES

FUEL OIL	428m <sup>3</sup>
POTABLE WATER	325m <sup>3</sup>
DRILL WATER / BALLAST WATER	986m <sup>3</sup>
MUD/BRINE TANK	250.6m <sup>3</sup>
DRY BULK	113m <sup>3</sup> (4 tanks)

## DISCHARGING RATES

FRESH WATER/PUMP	1 x 100m <sup>3</sup> /hr @ 10bar
DRILL WATER/PUMP	1 x 100m <sup>3</sup> /hr @ 10bar
FUEL/PUMP	1 x 100m <sup>3</sup> /hr @ 10bar
BRINE/PUMP	1 x 70m <sup>3</sup> /hr @ 7bar
LIQUID MUD/PUMP	1 x 70m <sup>3</sup> /hr @ 7bar
DRY BULK TANK	2 x 50m <sup>3</sup> /hr @ 5.6bar

## TOW/ANCHOR HANDLING WIRES

MAIN TOW WIRE	600m x 56mm Ø
SPARE TOW WIRE	600m x 56mm Ø
ANCHOR HANDLING WIRE	100m x 56mm Ø

## MOORING EQUIPMENT

ANCHOR	2 x HHP Stockless Anchor, ANCHOR TOTAL WEIGHT: 1860Kg WEIGHT OF ANCHOR HEAD: 1270Kg
ANCHOR CHAIN	2 x 12 shackles 38mm Ø Grade 3 stud links chains
ANCHOR WINDLASS	9T @ 9m/min

## ANCHOR HANDLING / TOW EQUIPMENT

TOW/ANCHOR HANDLING WINCH	1x Hydraulic Waterfall Type
STALL PULL CAPACITY	150T
BRAKE HOLDING CAPACITY	200T
TOW DRUM CAPACITY	600m x 56mm Ø
ANCHOR HANDLING CAPACITY	100m x 56mm Ø
STORAGE REEL CAPACITY	600m x 56mm Ø
TUGGER WINCH	2 x 10T each
CAPSTAN	2 x 5T each
SHARK JAWS	1 x SWL 200T
TOW PINS	1 x SWL 200T
STERN ROLLER	6.2m x 1.5m Ø (SWL 200T)
GYPSIES	3 STUD LINK CHAIN
CHAIN LOCKER	2 (CHAIN LOCKER P& STB)

## LSA/FFA EQUIPMENT

FIREFIGHTING SYSTEM	Fifi 1
FIFI PUMP	2 x 1,780m <sup>3</sup> /hr
FIFI MONITORS	2 x 1,200m <sup>3</sup> /hr (water) / 2 x 300m <sup>3</sup> /hr (foam)
SPRAY BOOMS	2 x 12m each side
DISPERSANT CAPACITY	17.7m <sup>3</sup>
FOAM CAPACITY	21.3m
RESCUE BOAT & DAVITS	1 x 9 POB
LIFE RAFTS	4 x 25 POB Life raft
LIFE BUOYS	10

## SPEED

ECONOMICAL SPEED	10 Knots
MAXIMUM SPEED MINIMUM DRAFT	12 Knots