

DP PIPELAY SUPPORT VESSEL



Vessel name:

SAPURA TOPÁZIO

Sapura Topázio is a DP 2 Self Propelled Pipelaying Vessel.

PRINCIPAL DIMENSIONS :

| | |
|---|-------------------|
| Flag | : Panama |
| Classification | : Lloyds registry |
| Notations | : ✕ 100A1, UD |
| Strengthened Helicopter Landing Area, EP, ✕ LMC, UMS, ICC, DP (AA), CAC (3), NAV-1, IBS, *IWS | |
| Length Overall | : 145.99 m |
| Length between pp | : 134.52 m |
| Breadth moulded | : 29.94 m |
| Depth main deck | : 13.0 m |
| Summer draught (max) | : 8.30 m |
| Draught scantling | : 8.5 m |
| Deadweight at design draught | : 8350 MT |

MAIN CRANE

| | |
|-------------------------------|---|
| Crane type NOV 250t | : Active Heave compensated electro - hydraulic driven, Knuckle Boom |
| Main Hook 250t @ 14m, Hs = Om | |
| 36m max radius | |
| Auxiliary Hook, 10t @ 40m | |

Tower Top Crane

| | |
|--------------------------|--|
| HS Marine AKC 410/11 HE1 | |
| Lifting Capacity | |
| • 20t @ 10.80m outreach | |
| • 10t @ 11.18m outreach | |
| Man riding capacity | : 2.5t @ 11.18m outreach (which in single fall only) |

FLEXIBLE PIPELAY CAPABILITY

| | |
|---|-----------------------------|
| Tower height | : 51.26m |
| Location | : Forward edge of Moon pool |
| Tower design loading : | |
| • 550T peak dynamic product along product axis for flexible pipes | |
| • 600T peak dynamic product load along product axis for braking | |
| • 610T peak A&R load along firing line | |
| Product Range | : 100 to 630mm |
| Tensioner capacity | : 2 x 275T, SAS |
| A&R Winch Capacity | : 610T SWL and 200T SWL |
| Friction Clamp Capacity | : 610T (1) |
| Carousels | : 1 x 2500t and 1 x 1500t |

DEEP WATER LOWERING CAPABILITY

| | |
|----------------------------------|---------------|
| Lowering depth | : 3000 meters |
| Crane, ROV's and pipe lay system | |

PROPULSION

| | |
|-----------------------|----------------------------|
| DP capability | : DP 2, DP 3 upgrade ready |
| Thrusters | : 7 nos |
| Stern Thrusters | : 3 x 2950 kW |
| Retractable Thrusters | : 2 x 2400 kW |
| Bow Thrusters | : 2 x 2200 kW |
| Estimate trial speed | : 13.6 knot |

ELECTRICAL

| | |
|--|--------------------|
| Main power plant capacity | : 22.14MW |
| Main engines. 6 x 3690 kW, Wartsila 8L32 | |
| Alternators | : Hyundai |
| HV switch boards | : 6600V |
| LV switchboards | : 440V, 230V, 115V |
| Emergency generator | : 1 x 1500kW |

ANCILLARY MACHINERIES

| | |
|------------------------|---------------------------------|
| Working air compressor | : 2 x 1100 m ³ /hour |
| Fresh water makers | : 2 x 40m ³ /day |

PUMPS

| | |
|-------------------------|--------------------------------|
| Ballast pump | : 2 x 400m ³ /hour |
| Anti-heeling pumps | : 2 x 1000m ³ /hour |
| Fuel oil transfer pumps | : 2 x 20m ³ /hour |

HELIDECK

Aluminium, 22m, S92

ROV

| | |
|------------------------|--|
| 2 X 150hp WROV | |
| TMT Typhoon | |
| 3000m depth capability | |

TANK CAPACITIES

| | |
|-----------------------------|-----------------------|
| Heeling tanks | : 1000 m ³ |
| Fresh water tanks | : 1020 m ³ |
| Water ballast tank | : 5100 m ³ |
| Fuel oil tank | : 2000 m ³ |
| Technical fresh water tanks | : 650 m ³ |

SAFETY EQUIPMENT

| | |
|-------------|---------------------------------|
| Lifeboats | : 2 x 60 person capacity |
| Life rafts | : 4 x 15 person & 1 x 10 person |
| Rescue boat | : 1 x 6 person GRP rescue boat |

COMMUNICATION AND NAVIGATION EQUIPMENTS

| | |
|---------------------------------------|--|
| DGPS and GPS system | |
| HIPaP 500 | |
| Kongsberg Fan Beam | |
| Gyro and magnetic compass system | |
| ARPA X-Band | |
| ARPA S-Band | |
| Autopilot system | |
| Automatic Identification system (AIS) | |
| Wind sensors | |
| Echo sounder system | |

ACCOMMODATION

| | |
|---|--|
| Capacity : 120 person | |
| • 5 Suites | |
| • 31 x 1 - person cabins | |
| • 42 x 2 - person cabins | |
| Mess Hall : for 60 - person | |
| Recreation spaces : | |
| • Lounge / video room : seating for 29 person | |
| • Smoking lounge : seating for 10 person | |
| • Internet lounge : for 6 person | |
| • Gymnasium : outfitted with 2x bicycle, 1x treadmill, 1x multi-gym machine | |

WORKSHOPS

| | |
|--|--|
| Electrical, Mechanical, ROV, Pipe lay, Welding | |
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