

SAMPSON: BUILT FOR PIPELAY & HEAVY LIFT PROJECTS



Sampson: Class-leading offshore construction vessel

Length	180 m
Width	32 m
S-lay	3 x 125 t up to 48-inch pipe outer diameter
Deep water stinger	90 m long, 3 sections
Onboard pipe storage	Up to 8,000 t
Main crane	1.600 t, fully revolving
Subsea crane	200 t, Active Heave Compensated
Accommodation	296 persons

Classification:

ABS + A1 + (E)
+AMS + ACCU
+ I CE CO + DP3 +
HELIDECK + ES
+ FiFi 2

Vessel is SPS compliant

GENERAL DESCRIPTION

Type	Pipelay / heavy lift
Flag	Panama
Year built	2010

ACCOMMODATION

Berths	296 personnel
Offices	5 offices and 2 conference rooms
Service	24 seat cinema and fully fitted gym



PIPELAY

Remacut pipelay spread, capable of laying 6" to 48" pipe in Steep S-Lay and conventional S-Lay modes.

Capability

- 6" to 48" diameters inclusive of coating

Firing line

- 3 x 125 T tensioners
- 300 T A&R winch
- 10 working stations

Stinger

- 90m long 3 section stinger - Stinger can be installed and removed using the main crane

CRANES

Main crane capacity 1.600 t

Manufacturer Liebherr

AHC subsea crane 200 t

Manufacturer MacGregor

Pipe loading crane 70 t

Manufacturer Liebherr

SHUTTLE VESSEL / LIFEBOATS

2 x 35knot SOLAS 144 HS crafts

8 x throw-over rafts (KHZ-50)

4 x 102 person enclosed lifeboats

HELIDECK

12.8 t, 23 m dia heli-deck

Designed for Sikorsky S61N

MAIN DECK

Strength 10 tons/m² and 5 tons/m²

Cargo space 5000 m²
3 Cargo Holds below deck

PRINCIPAL DIMENSIONS

Length overall	180 m
Width	32 m
Gross tonnage	35.500 t
Transit speed	14 knots

CAPACITIES

Fuel	7500 m ³
Fresh Water	2700 m ³
Ballast Water	5000 m ³
Water Ballast	WBT 8590 mt
Anti-rolling	7640 mt

POWER AND PROPULSION

Aft: 3 x 3,3 MW RR azimuth
Mid: 2 x 2,4 MW RR drop-down azimuth
Fwd: 2 x 2,4 MW RR drop-down azimuth
Fwd: 2 x 1,3 MW RR tunnel thrusters
Total DP Power: 22.2 MW
Total power installed: 30.2 MW

DP SYSTEM - DPIII CLASS

DP classification from Kongsberg

K-Pos dual

K-Pos simplex back-up

KC-Joy independent joysticks

C-Wing remote joystick

REFERENCE SYSTEM

2 x HiPAP acoustic position

3 x Differential GPS position

2 x Bandak Mk 15B taut wire position

2 x Fanbeam short-range laser position

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