



SAIPEM ENDEAVOUR

HEAVY LIFT AND PIPELAYING (S-LAY) BARGE



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WORKABILITY

EQUIPPED WITH 11 ANCHOR MOORING WINCHES AND A 1,100 T REVOLVING TUB CRANE

TECHNICAL SPECIFICATIONS

MAIN FEATURES

- Length overall: 146.3 m
- Width: 42 m
- Depth: 10 m
- Min. draft: 4 m
- Gross tonnage: 26,544 t
- Lightship: 18,142.9 t
- Displacement: 38,199.9 t
- Airdraft keel to highest point: 57.75 m
- Deck strength: 17 t/m²
- Clear deck: 3,300 m²
- Other storage areas: 1,400 m² above pipelay tunnel
- Below deck storage areas: 900 m²
- Flat bottom hull

CLASSIFICATION

- ABS Classification: ⚙️, A1, Barge, (M) HAB, AMCC, CRC, ES2020, POT, RCM (Fire)
- Year built: 2010
- Flag: Panama

POSITIONING SYSTEM

- Sealink V-Sat: phone/data/Internet
- Gyro compass: 2 x Simrad GC 80
- Radar: X-Band and S-Band

POWER GENERATION

Main generator

- 5 x 1,480 kW diesel

Alternator emergency generator

- 1 x 550 kW generator
- Wärtsilä engines reducing NO_x emissions in compliance to Marpol

CAPABILITY

DESIGNED FOR PIPELAYING OPERATIONS FROM VERY SHALLOW WATERS UP TO GREAT DEPTHS

ACCOMMODATIONS

- Living quarters fully air conditioned for 278 persons

CRANES

Main crane

- Amclyde M60, electric

Boom length

- Main: 71.6 m
- Aux. 80.7 m
- Whip: 55 m
- 4th Fall: 55 m

Hook capacity

- 1,100 t @ 28 m (over stern)
- 1,000 t @ 28 m (revolving)
- 275 t @ 55 m (aux.)
- 60 t @ 75 m (whip) 20 t @ 48 m (4th fall)

Deck crane

- 2 x TTS: 14 t @ 22 m
- Auxiliary crawler crane Manitowoc 14000 (60 t)

MOORING EQUIPMENT

- 11 x electric winches (120 t) remotely operated
- Anchor steel wires: 1,530 m x 65 mm dia.
- Anchor synthetic wires: 2,000 m x 60 mm dia.
- 8 x anchors: 12 t
- Storm anchor: 9.9 t
- Anchor chain: 78 mm dia. x 4.18 m

PERFORMANCE

ABLE TO LAY PIPELINES IN SINGLE JOINT AND DOUBLE JOINT CONFIGURATION

PIPELAY

- Pipe outside diameter: 6" to 48"
- Single joint configuration: 9 working stations (Up to 4 stations for welding)
- Double joint configuration: 5 working stations (Up to 3 stations for welding)
- Tensioners: 2 x 130 t
- A&R winch: 150 t
- Davits for AWTI: 6 x 60 t at starboard 5 x 50 t at port

STINGERS

- 38 m auto-configurable Stinger with 5 x 90 t remotely operated rollers

HELIDECK

- Dimensions: 22.8 m diameter / 14 t HMS (Sikorsky S-92)
- Foam system with 2 x monitor

DID YOU KNOW?

THE SAIPEM ENDEAVOUR IS ABLE TO CHANGE THE FIRING LINE CONFIGURATION FROM SINGLE JOINT TO DOUBLE JOINT (AND VICEVERSA) WITHIN 24H.

The Saipem Endeavour is a construction and maintenance lay barge designed for operations from very shallow water up to great depths. It is equipped with a 1,100 t crane for the lifting, installation and maintenance of seabed facilities. Its large deck allows for a remarkable storage capacity for structures and pipes.