

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

CAPABILITY

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

PERFORMANCE

ABLE TO LAY PIPELINES IN SINGLE JOINT AND DOUBLE JOINT CONFIGURATION

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/m^2
- Clear deck: 3,300 m^2
- Other storage areas: 1,400 m^2 above pipelay tunnel
- Below deck storage areas: 900 m^2
- 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

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

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.