Crowley is pleased to introduce two new 400-foot-long, 120-foot-wide (122 meter x 36.5 meter) heavy-lift deck (HDB) barges named HDB 01 and HDB 02 which are positioned in Batam, Indonesia in order to support regional customers with marine projects. The barges have 25-foot (7.6 meter) side shells, which provide both the capacity and deck strength (up to 4,200 pounds per square foot [25 tons per square meter]) needed to accommodate larger drilling and production units used for deepwater offshore energy exploration and development.

Additionally, the HDB series barges are designed with more robust ballast systems to deal with high tidal ranges found in the region’s load and discharge ports, and with the internal strength to withstand setting on bottom of the seabed while loaded if so dictated by shallow discharge ports where tidal movement may be problematic.

The barges are ABS-classed, with an approximate dead weight capacity of 20,000 metric tons. Both were designed by Crowley’s naval architecture and marine engineering subsidiary Jensen Maritime.

HDB SERIES BALLASTABLE
400ft x 120ft x 25ft • 121.92m x 36.50m x 7.62m

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GENERAL SPECIFICATIONS

Flag Registry
Singapore

Overall Dimensions
Length . . . . . . . .400' • 122m
Breadth . . . . . . .120' • 36.5m
Depth . . . . . . . .25' • 7.6m
Loaded Draft . . . .18' • 5.8m
Light Draft . . . . .3'6' • 1.1m
Deadweight . . . .22,045ST • 20,000MT
Lightship . . . . . .4,691ST • 4,256MT
Deck Area . . . .41,650ft² • 3,864m²
Deck Unit Load . 5,000lbs/ft² • 25tonnes/m²
ITB Tonnage . 9.215 GT / 2304 NT

Bulkheads
(4) longitudinal, (8) transverse + pump room

Double Bottom in Pump Room
32 Ballast Tanks
Spoon Shaped Bow/Raked Stern with 2 Skegs

Hull Fittings
Booby Hatch w/ W.T. Door to Pump Room • Bollard Blitts • Kevels • Panama Canal Chocks • (2) Manhole Hatches per Tank • Split Pipe Side Fenders (4) Courses • Side Shell Ladders (2) Recess/(2) Mounted Per Side • Bridle Retrieval Davit • Removal Two Tier Cable Hand Rail

Equipment Auxiliaries
(1) Cat Model C.4 Diesel driven generator, 24VDC starting 240 VAC; 60 Hz; 3 Phase

Lighting
Electrical lighting in pump room, pipe alley and shore power connection • Battery powered navigation lights

Ballast Pumps
Two diesel driven 2500m³/hour (11,000 gpm) capacity at 21 meters (70 feet) head

Stripping Pump
One 550 gpm self-priming, electric driven, centrifugal, 4" suction

Bridle Winch
Electric drive to retrieve bridle chain

Smit Brackets
Two towing brackets, bow mounted

Tank Guaging
Pneumatic remote readout

Emergency Tow Wire
63.5mm (2.5 inch) diameter wire rope connected to a bow mounted towing padeye and clipped to the deck edge and extending to the stern. A stripping retrieval line is clipped to the deck which in turn connects to a flotation line/buoy

Towing Bridle
3" diameter, grade 3, stud link chain x 90' long bridle with a 45' lead section for connection to tug's tow wire

Builder
2014 by Seabridge Marine Contractors Ltd/Jiangsu Yangzijiang Shipbuilding Co., Ltd.

Certification
ABS + A1, Deck Cargo Barge, Ballastable

All information contained herein (including but not limited to any specifications, particulars, capacities, or capabilities) is believed to be correct, but is not guaranteed and is subject to change without notice.

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