VALARIS

VALARIS DS-18
(Rowan Relentless)
GustoMSC P10,000 Drillship • Year in Service: 2015

### DESIGN

- **Design**
  - GustoMSC P10,000

- **Shipyard Delivery**
  - 2015

- **Shipyard**
  - Hyundai Heavy Industries

- **Classification Agency**
  - ABS

### PROPULSION & POWER

- **DP Class**
  - DPS-3

- **Main Engines**
  - (6) Himsen 8,000 kW

- **Emergency Power**
  - 1,500 kW

- **Thrusters**
  - (6) 5,000 kW azimuth type, self-retracting canister

### DRILLING EQUIPMENT

- **Derrick**
  - Combined: 2,000 T
  - Main: 1,250 T
  - Aux: 750 T

- **Top Drives**
  - Main: NOV AC 1,250 t
  - Aux: NOV AC 750 t

- **Drawworks**
  - Main: 1,250 st, 9,000 hp active heave
  - Aux: 750 st, 5,750 hp active heave

- **Rotary Table**
  - Main: 75 ½˝, 1,250 st
  - Aux: 60 ½˝, 1,000 st

- **Motion Compensator**
  - Main: 1,250 st CMC (locked)
  - Aux: 750 st AHD (Incorporated in with Active Heave Drawworks)

- **Iron Roughnecks**
  - (2) 3 ½” - 20”

### GENERAL SPECIFICATIONS

- **Length Overall**
  - 752ft

- **Breadth**
  - 118.1ft

- **Depth at Side**
  - 59.6ft

- **Draft (Max. Operating)**
  - 36.1ft

- **Displacement**
  - 69,900 MT

- **Rated Max. Water Depth**
  - 12,000ft

- **Moonpool, Opening at Baseline**
  - 73.5ft x 42ft

- **Max. Drilling Depth**
  - 40,000ft

- **Variable Deck Load**
  - 20,000

- **Heliport**
  - Sikorsky S-92 or equiv.

- **Accommodations**
  - 210 persons

Changes / modifications to the above listed equipment could occur. Maximum Water Depth denotes the designed rating, pending site specific assessment. Should you have specific questions, please contact the Marketing Department at: marketing@valaris.com
CAPACITIES

- Diesel Fuel Oil: 47,605 bbl
- Drillwater: 18,602 bbl
- Liquid Mud: 20,265 bbl
- Bulk Storage: Barite: 456 m³, Cement: 456 m³
- Fresh Water: 8,839 bbl
- Base Oil: 7,206 bbl
- Brine/Completion Fluid: 7,916 bbl

WELL CONTROL & MUD SYSTEM

- Mud Pumps: (5) 14-P-220, 2,200 hp
- Mud System Pressure: 7,500 psi
- Shale Shakers: (8) Brandt VSM-300
- BOP Stack #1: (2) 10,000 psi Annulars, (7) ram 15,000 psi BOP
- BOP Stack #2: (2) 10,000 psi Annulars, 7 ram 15,000 psi BOP
- Choke Manifold: 15,000 psi working pressure, H₂S rated, (2) auto and (2) manual choke design
- Control System: CIW Mark-3 multiplex
- Diverter: 72˝ 500 psi

RISER SYSTEMS

- Riser: Cameron "Load King" 3.5m lbs, 21£˝ OD, 1˝ wall thickness x 75 ft joints integrated support ring
- Riser Tensioning: (16) 250,000 lbs each, 4,000,000 lbs total
- Riser Length: 12,000 ft – below deck storage
- Riser Handling: (2) riser gantry cranes (below deck) fully redundant; (1) 47 MT riser catwalk machine with tailing arm (1) riser elevation system from bay to deck
- BOP Handling: (2) 270 MT overhead gantry cranes with 600 MT BOP trolley, provides full access to both BOP storage areas
- Xmas Tree Handling: (2) 15 MT overhead gantry cranes (2) 120 MT Xmas tree skids
- Additional: (1) Riser Hang Off cart 1,000 MT / Xmas tree trolley 120 MT

HANDLING SYSTEMS

- Cranes: (3) 100 MT KBC; (1) 165 MT AHC KBC, maximum 12,000 ft. water depth; (1) 20 MT (poop deck crane)
- Tubular Handling: Dual Hydraracker, extended reach (column type) 3½˝ to 14˝
- BOP Handling: (2) 270 MT overhead gantry cranes with 600 MT BOP trolley, provides full access to both BOP storage areas
- Xmas Tree Handling: (2) 15 MT overhead gantry cranes (2) 120 MT Xmas tree skids
- Additional: (1) Riser Hang Off cart 1,000 MT / Xmas tree trolley 120 MT

LIFESAVING SYSTEMS

- Lifeboats: (6) 70 persons
- Rescue Boat: (1) davit launched

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