



VALARIS 8505

(ENSCO 8505)

Ensco 8500 Series Semi Submersible • Year in Service: 2012

DESIGN

Design:
Ensco 8500 Series

Flag State:
Liberian

Shipyards Delivery
2012

Drilling Systems:
NOV

Shipyards:
KFELS Singapore

Subsea Systems:
Hydril

Classification Agency:
ABS

PROPULSION & POWER

DP Class:
DP-2

Emergency Power:
1,476 hp

Mooring Winches:
(4) Broehl 460,000 lbs

Thrusters:
(8) Flowserve-Pleuger Azimuthing, 3,500 hp each

Main Engines:
(7) EMD 20-710-G7C 25,742 kW total

DRILLING EQUIPMENT

Derrick:
2,000,000 lbs

Rotary Table:
(1) 60 1/2"

Top Drives
(1) NOV TDS-1000A

Motion Compensator:
CMC H-1000-25

Drawworks:
(1) NOV ADS-30Q 6,000 hp

Iron Roughnecks:
(1) NOV ST-120

GENERAL SPECIFICATIONS

Pontoons
310L x 56W x 24ft

Columns
(4) columns, 45ft x 50ft

Main Deck elevation
above baseline
97ft

Rated Max. Water Depth
8,500ft

Moonpool Opening
30ft x 120ft

Max. Drilling Depth
35,000ft

Variable Deck Load
7,600 T

Heliport
Sikorsky S61 or S92

Accommodations
150 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



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■ CAPACITIES

Diesel Fuel Oil
16,700 bbl

Drillwater
14,000 bbl

Liquid Mud
16,250 bbl

Bulk Storage
Barite: 382 m³
Cement: 382 m³

Fresh Water
1,570 bbl

Base Oil
1,704 bbl

Brine/Completion Fluid
2,130 bbl

■ WELL CONTROL & MUD SYSTEM

Mud Pumps
(4) Lewco W-2215, 2200 hp each

Mud System Pressure
7,500 psi

Shale Shakers
(6) Derrick FLC-514, 900 gpm each

BOP Stack #1
18 3/4" 15,000 psi (6) ram stack with
(2) 18 3/4" 10,000 psi annulars

Control System
Hydril Mux

Diverter
60" 500 psi

Choke Manifold
15,000 psi with 2 adjustable chokes
and 2 power chokes

■ RISER SYSTEMS

Riser
21" OD Drill Quip flanged riser,
75ft each

Riser Tensioning
(10) NOV Hydralift, 250,000 lbs each

Riser Length
8500ft

Riser Handling
(1) NOV Riser Gantry Crane 2x27-75

■ HANDLING SYSTEMS

Cranes
(2) Seatrax 160ft boom, 97 T

Tubular Handling
Catwalk, HTV, bridge racker, racking
guide arm, and utilizes GC for
deck handling

BOP Handling
(1) NOV BOP Carrier rated 400 MT for
BOP & 750 MT for Riser Hangoff

Xmas Tree Handling
(1) NOV Xmas Tree carrier 150 MT

Additional
(1) NOV Xmas Tree Skid

■ LIFESAVING SYSTEMS

Lifeboats
(4) 75 person

Rescue Boat
(1) 160 hp

REVISED 7/2019

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