

Songa Offshore AS



Songa Trym

Aker H3 Semi-Submersible
(1,250 ft. water depth)

Rig and Equipment Overview

EQUIPMENT SPECIFICATIONS

General

Rig: Songa TRYM
Flag: Norwegian
Owner: Songa Offshore AS
Previous names:
Year Built: 1976
Year Upgraded: 1996-2002-2005-2009-2013
Design: Modified Aker H-3
Builder: Verdal/Bergen
Classification: DnV Class A1 Column Stabilized

Main Dimensions/Draft/Displacement

Length: 108.2m
Breadth: 67.36m
Depth: 36.58m
Columns:
Pontoons: 10.98m width x 6.71m high x 108m long
Operating Draft: 21.34m
Ocean Transit draft: 8m/26.3 ft.
Survival Draft 18.2 m/ 60 ft.
Operating Disp: 24,167 m/t
Ocean Transit Disp: 16,777 LT

Machinery

Main Power: 4 x Bergen diesel generating sets, 2200 HP each
Power Dist.: 11 ABB DCS 800
Emerg. Power: 1 x 625 HP Stanford/AMC 634, generator 600KW
Propulsion: 2 x in line 1700hp NEBB thrusters
Cranage: Liebherr BOS4200-50D.50/15 MT
 Liebherr BOS2600-75D.75/15 MT

Operating Parameters

Max Water Depth: 1312 ft.
Max Drilling Depth: 25,000 ft.
Transit Speed: 6 knots
Operating Conditions: Drilling max.heave 4.5m with riser
Storm Conditions: Unlatched 8m
Design Conditions: Year round operations in the North Sea

Drilling Equipment

Derrick: Alfred Anderson, Gross nominal capacity 590MT
Drawworks: National 1625 DE with 3 x 600KW AEG model 1100 DC motors. Elmagco auxiliary
Rotary: National C-495
Top Drive: Hydralift/Natl GE 752, H.T. 650 t, installed
Traveling Block: National 760 H, 650 ton
Hook: n/a
Swivel: n/a
Drillpipe: 5" & 5.5" S-135
Drill Collars: 9.5", 8", 6.5"
Pipe Handling: I.R: Hydratang MPT 200. Installed 2007. Hydralift 22,000 lb SWL,
Motion Compensator: MH "Crown" compensator with 25' stroke and 600K compensating load
Cementing Unit: to be determined by client
Mud Pumps: 3 x National 12-P-160
Shale Shakers: 4 Derrick Flow line, new baskets 2007

Capacities

VDL - Operating: 2800 LT
VDL - Storm: 2800 LT
VDL - Ocean Transit: 1800 LT
Liquid Mud: 2264 bbls
Bulk Mud: 9217 cu.ft. for barite and bentonite
Bulk Cement: 6710 cu.ft.
Sack Material: 5000 sx
Drillwater: 9591 bbls
Potable Water: 1610 bbls
Fuel Oil: 16,944 bbls

Mooring

Winches: 4 Dbl+ 2 Sgl Norwinch windlasses, upgraded
Wire/Chain: 10 x 1700m K4 quality 3" chain
Anchors: 10 x 15 ton Stevepris #5
Positioning:

Subsea Systems

BOP: Cameron 18 3/4" x 10,000 WP
LMRP: Hydril 5000 WP annular, Cameron connect
BOP Handling: 1 x 200 ton SWL NorMar BOP transporter
Control System: Hydraulic with acoustic back up
Riser Details: 1000 ft Cameron 20.5" x 5/8" wall with 4" OD 10,000 psi integral choke and kill lines.
Choke & Kill McEvoy 10,000 WP gate valves and
Diverter: Regan KFDS-3 24".
Riser Tensioners: 8 x 80K Rucker, 50 ft. line travel
Guideline Tensioner: 4 x 16,000 lb, 40 ft. travel
Pod Tensioner: 2 x 16,000 lb, 40 ft. travel
TV System: Closed circuit

Other

Moonpool: 68.6 ft x 18.8 ft.
Helideck: 23 meter diameter, 9300 Kg takeoff load.
Accommodations: 96 double cabins, 4 single cabins

These specifications are intended for general reference purposes only as the actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs.