

NAN HAI LIU HAO

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General Description

Design/Generation	Semi-submersible
Constructing Shipyard	Götaverken, Arendal, Gothenburg, Sweden
Year of Construction	1982
Classification	DNV&CCS
Flag	China
Overall Dimensions	95.1m*71.15m
Main deck elevation above baseline	33.6m
Associated air gap	11.92m
Moon pool dimensions	6.1m*22.6m
Max. opening through spider deck	6.4* 12.7m
Draft at load line (deepest)	19.8m
Displacement at load line.....	25012mt
Drilling draft/related displacement	19.80 / 25012 m/mt
Max. Substructure/Rotary Load	800mt
Fuel consumption (drilling).....	21-23 m³/day
Operating Water Depth	1500ft-197ft
Max. Rating Drilling Depth	25000ft
Accommodation	120 beds

Drilling Equipment

Derrick	CONTINENTAL EMSCO / 22 BDA / Ser. No.: 64/1,000,000 lbs
Hookload capacity :	650mt
Drawworks	CONTINENTAL Emsco C3 Type II /3*3000hp/1-1/2in drilling line GE 752R3A/GE 752T5A/GE 752R3A motor
Top Drive	Jinghong DQ90BSQ-JH /750mt/1314hp AC/Maximum continuous torque : 57500ft-lb@110rpm
Rotary Table	Continental Emsco/T-4950/Maximum opening:49-1/2" mm
Drilling string motion	NL SHAFFER 600K (DSC-I-25-600-L-BO-R)/ Compensating stroke :25ft
compensator	Max. static load :680mt
Mud Pumps	3/1x TSC, 2x BPMMP /1XNF1600 2XF-1600 Maximum working pressure : 5,000psi
Solid Control	5* Brandt VSM300/2*2 per shaker
Standpipe manifold	Rated for 5,000 Psi
Choke manifold	Rated for 15,000 Psi

Power Plant

Main Power	4*Nohab Diesel (Wartsila) F312V/1800KW/ 720 rpm
Emergency Power	1*Cat engine 3412 S/N 41202189 rated620kw@1,800 rpm

STORAGE CAPACITIES

Fuel Oil.....	2154m3
Active Liquid Mud.....	289.4m3
Brine	N/A
Base Oil.....	N/A
Drill water.....	2198m3
Potable Water.....	516m3
Bentonite/barite.....	377.6m3
Cement	163.6m3
Sack Storage.....	4400sacks

BOP Equipment

Diverter	Regan/KFDS-3/ 500psi
BOP annular	Hydril GX/18-3/4" 10000psi wp
BOP rams	XINDE, 18-3/4"*15,000 Psi, 4*Ram;
Riser tensioner	6* NL SHAFFER 80 K / Maximum stroke :12.5ft/ Capacity each tensioner : 80000lbs

Cranes

Port/Stbd	2* Liebherr MTC 1400-60 D Litronic Load/radius/speed (minimum radius):60 t/ 7m/ 14 m per min; (maximum radius): 16.9mt/37m/ 14 m per min;15 mt/ 9.5 m/ 57 m per min
Aft	1* Liebherr BOS 50/900 Load/radius/speed (minimum radius): 50 mt/ 7.5 m/ 19 m per min ; (maximum radius): 22.3mt/ 24.4 m/ 38 m per min; 15 mt/ 28 m/ 60m per min
BOP handling system	Normar B.O.P Carrier-frok frame type Rated capacity: 200mt

Mooring Equipment

Mooring Winches	8*NORWINCH /2A-76-2/ Hydraulic / Total HP per winch :617hp
Anchor Lines	8*Nippon / Lunje / Vicinay/ASAC - Mooring chain Diameter :76mm/ Weight per unit length : 126.5 kg/m in air / Useful length (nominal) : 1830m - 1848m - 1873m - 1830m - 1891m - 1862m -1856m - 1830m
Anchors	8ea, Stevspris Mk6 New Generation Weight :12.5mt

OTHER FEATURES

Helideck	Sikorsky S92A
Station Keeping	Mooring system

These specifications are intended for general reference purposes only. All equipment shall be operated and maintained at all times, in compliance with COSL DRILLING standard operating manuals,policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

