

## KAI XUAN YI HAO



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## General Description

Design/Generation	Letourneau "Workhorse" Quadrangular shape
Constructing Shipyard	COSCO Nantong Shipyard
Deliver Year/Upgrades	2014
Classification	ABS&CCS
Flag	China
Overall Dimensions	311.40 L × 220 W × 25.98 D
Legs	3x163.37m(3x535.99ft)
Usable leg below hull	144.78m(475ft)
Spudcan diameter	16.82m(55.2ft)
Leg (spud can) below hull in transit	3.29m(10.8ft)
Displacement at loadline	16486mt(36,345.41kips)
Drilling VL	4030mt(8886kips)
Cantilever Envelope	80ft* ± 15ft
Operating	Water
Depth	min9.14m(30ft)/max121.92m(400ft)
Max. Rating Drilling Depth	10668.13m(35000ft)
Accommodation	150 beds

## Drilling Equipment

Derrick	NOV - Aft offset beam leg derrick / Drecto model D-175X36X36X14X2000-HL
Simultaneous setback + hookload capacity :	Hook Load: 907.19mT (2000kips), Rotary Load: 907.19mT (2000 kips); Set Back Total:453.58 mT(1000 kips)
Drawworks	NOV / ADS 10Q/4*1,400hp
Top Drive	National Oilwell Varco TDS-1000, 1,150hp, 7500psi/Max:100,000 ft. lbs/continuous:62,300 ft. lb/270 RPM
Rotary Table	National / RST 495-3G/907.19T
Pipe Handling	NOV / PRS-4i/NOV PRS-4i pipe handling system with dedicated pipe handling crane and offline stand building capacity capable of handling 3-1/2" to 13-5/8". Rated capacity 22,000 lbs.
Mud Pumps	3* NOV /14-P-220/ 2,200hp/ea, 7,500psi
Solid Control	4*NOV / KING COBRA HYBRID
Drilling Manifold	NOV 5"API 7.5K Standpipe Manifold NOV 3-1/16"API 15K Cement Manifold NOV 3-1/16"API 15K Chock and Kill Manifold

## Power Plant

Main Power	5*CAT 3516C-HD diesel engines rated at 2,150hp, 1,200 rpm
Emergency Power	1 *CAT 3516C-HD diesel engine rated at 2,150hp

## Storage Capacities

Fuel Oil	818.978m3(5145bbl)
Liquid Mud	761.55m3(4790bbl)
Brine	64.23m3(404bbl)
Base Oil	64.23m3(404bbl)
Drill	
Water	1682.08m3(10,580bbl)
Potable Water	407.8m3(2565bbl)
Bentonite/barite	196m3(1232.8bbl)
Cement	196m3(1232.8bbl)
Sack Storage	5,000 sacks

## BOP Equipment

Diverter	GE OIL and GAS / KFDJ-500,500psi
BOP annular	Shaffer/Wedged Spherical, 18-3/4"*10,000 Psi,
BOP rams	2*SHAFFER / NXT-M/Double Ram, 18-3/4"*15k Psi;
BOP handling	2*JD Neuhaus / UH 125T, safe working load at 125MT each;

## Cranes

Port Forward,	3* Letourneau / API 2C 6 /edition 2004 +ABS Cargo
Port Aft,	gear certification/PCM-220SS/68.09T@9.75m/
starboard	36.29T@21.34m
Pipehandling	NOV/OC1891PL/3.5T@3m-25m, 7T@6m-17.5m,
Crane	12T@8m-12m/180°

## Mooring Equipment

Mooring Winches	4* Ridderinkhof/22.35 T rated pull capacity.
Anchor Lines	4*Bridon or equivalent/6×19 IWRC EIPS RR
Anchors	4*Jiangsu Xiangshen Heavy Industries/Flipper delta anchor HYD-14

## Other Features

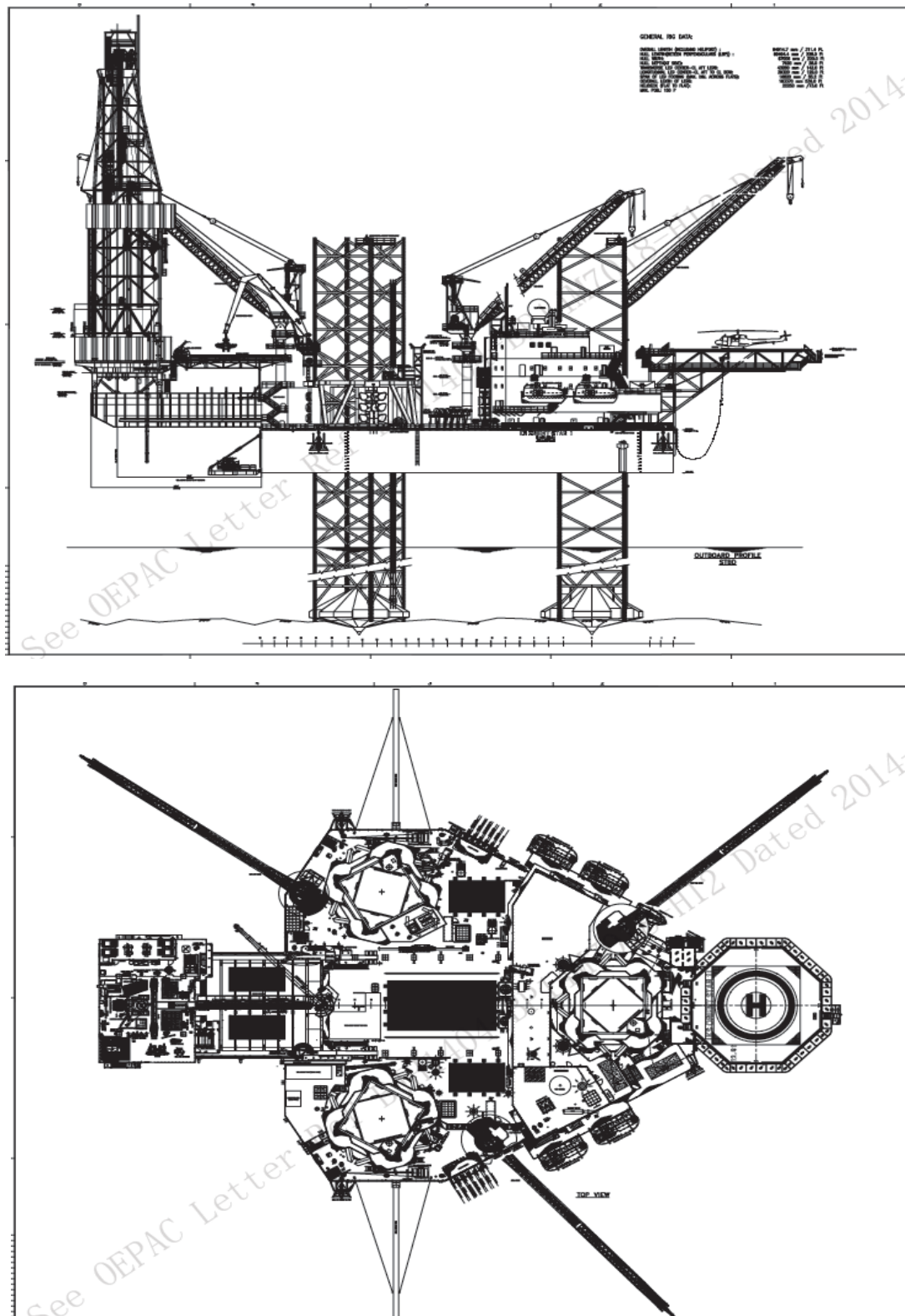
Helideck	Sikorsky S 92 and S61N
Tension System	NOV/CTU-227-350/500.45kips/13.8inch

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.

1,200 rpm

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