Owner: Thong Yong Group
Builder: CMHI, China
Type: GustoMSC NG1800X
Built: 3Q 2018
Flag: Singapore

Class Notation
ABS, A1, Self Elevating Unit, AMS, ACCU, DPS-2, HELIDK, CRC, Wind IMR

Main Dimensions
Hull
Length Overall: 70.0 m
Hull Length: 56.0 m
Hull Width: 32.0 m
Hull Depth: 5.5 m
Draft: 3.5 m
Extreme Draft: 5.1m (incl. thrusters)
Variable Load: 650 ton @ max. draft
Deck Area: 640 m²
Deck Strength: 5.0 ton/m²
Max. Water Depth: 55 m

Helideck
Helicopter Type: Sikorsky S61 / S92
D-Value: 22.2 m diameter

Jacking System
Type: Rack and Pinion
Drive: Electric
No. of Pinions: 2 x 24
Normal Jacking: 90t per pinion
Pre-load Capacity: 153t per pinion
Hull Lifting Speed: 0.16-0.8 m/min
Leg Handling Speed: 0.16-1.2 m/min

Legs and Spudcans
Number: 4
Type: Triangular truss-type
Width: 4.0 m
Length Overall: 76.0 m
Reaction Force: 2050 ton
Footing Area: 30 m²
Spudcan Type: Can with Pin
Jetting system: Available

ACcommodation and Facilities
Single Berth: 6 x 1 berth (6 Men)
Double Berth: 2 x 2 berth (4 Men)
Four(4) men Berth: 35 x 4 berth (140 Men)
Total Complement: 150 Persons
Cabins equipped with en-suite shower/toilet, telephone, TV and network connections.
All cabins fully air-conditioned.

Facilities

Crane
Main Crane
HUISMAN 160mt Pedestal Mounted Crane
Main Hoist: 160ton @ 16m
42ton @ 43.5m
Whip Hoist: 15ton @ all radii (10.5m~54m)

Auxiliary Crane
Macgregor 15mt Pedestal Mounted Crane
Main Hoist: 15ton@ all radii (4m~25m)
Whip Hoist: 5ton @ all radii (5m~30m)

Propulsion System
Thrusters: 4 x 825kW Azimuth Thruster
Size: 1.7m propeller diameter
Speed: 6 Knots

Power
Four Main Diesel Engine, 1300e kW Generator, 690V, 60Hz, Caterpillar 3512C
One Emergency Generator Set, 425e kW 440V, 60Hz, Caterpillar C18

Control Systems
Kongsberg Dynamic Positioning Control System according to ABS DP2.
Navigation and Communication systems according to IMO Requirements.

Tank Capacity
Portable Water: 330 m³

Fuel Tank: 330 m³
Water Ballast: 909 m³
21 days with full complement

Safety Equipment
Lifeboats: 2 x 150 persons
Liferafts: 6 x 25 persons
Rescue Boat: 1 x 6 persons
Water Mist: Engine and Galley
Sprinkler: All accommodation covered
Fire and Gas detectors throughout the vessel.
EEBD & SCBA Available

Auxiliary Equipment
Water Maker: 2 set, 40 ton/day each
Sewage Treatment: 1 set, 150 men/day

Design Temperature
Steel Design Temperature
-10°C (except Spudcan)
0°C for Spudcan

For AC and Ventilation System
Max. Ambient Temperature: +46°C, 60%
Min. Ambient Temperature: 0°C
Max. Seawater Temperature: +35°C
Min. Seawater Temperature: +4 °C

Design Criteria
Operating Survival
Water Depth: 55.0m 40.0m
Air Gap: 5.5m 4.0m
Wind Velocity: 25.0m/s 51.4m/s
Max. Wave Height: 5.0m 4.0m
Wave Period: 7.0s 6.0s
Surface Current: 1.0m/s 0.5m/s

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