



## VESSEL SPECIFICATION

**SHIP NAME : HUA JIN 华津**

**7,200 BHP**

### REGISTRATION

- Year Built: 2017.11.20
- Date on which keel was laid: 2015.05.07
- Builder: Zhejiang Shipbuilding Co., Ltd, China
- Classification: CCS★ CSA Offshore supply Ship ; Firefighting Ship 1 ; Water Spraying; Oil Recovery Ship not suitable for products with a flashpoint of 60° C or less; FTP; AFS; SPS  
★ CSMAUT-0; DP-2; Electrical Propulsion System;  
COMF(NOISE) 3; COMF(VIB) 3; CLEAN
- Call Sign: BOUH
- MMSI: 413492160
- Official No.: CN20154054428
- IMO Number: 9752840
- Port of Registry: Shenzhen
- Flag: China
- Ship Type: Offshore Supply Ship

### DIMENSIONS

- Length Overall: 81.75 m
- Breadth moulded: 17.20 m
- Depth moulded: 7.8 m
- Draft summer: 6.3 m
- Gross Ton: 3434
- NET Ton: 1264
- DWT : 4005.80 Tons
- Displacement: 6653.7 Tons

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### MACHINERY

- Main Generators: Engine type : Caterpillar 4-stroke, Tier II EA ; Rated power : approx. 1,360 ekW at 1,800 rpm, each Rated voltage : 3 x 690V/60Hz (Total generator output approx. 5,440 ekW)  
Frequency converter system: ABB



- Diesel-electric driven propellers: 2 xSteerpropZ-Drive units with ABB motor,approx. 2,000 kW @ 0~1,800 rpm.
- Bow Thruster: 2 xBrunvollCP Tunnel Thrusters, approx. each 1200 BHP (950 kW)
- Emergency Generator: 1 x 276ekW at 1800 rpm, 3x440V, 60Hz.

### CAPACITIES

- Deck Cargo: 2000 tons
- Clear Deck Space: 57 m x 14 m, Total 800 m<sup>2</sup>
- Deck Strength: 5 tons/ m<sup>2</sup>,Frame0 ~ Frame32: 7.5t/m<sup>2</sup>
- Fuel Oil: 691m<sup>3</sup>
- Drill/Ballast Water: 1670 m<sup>3</sup>
- Fresh Water: 1020 m<sup>3</sup>
- Fresh Water (Combine ballast water) : 1600 m<sup>3</sup>
- Drill/Ballast Water: 1670 m<sup>3</sup>
- Dry Bulk: 5 Tanks - Total Capacity 360 m<sup>3</sup>
- Brine: 2 Tanks - approx. 280m<sup>3</sup>, with tank cleaning system
- Liquid Mud: 6 Tanks – approx.845m<sup>3</sup>, with Agitators and tank cleaning system
- Methanol: 63.7\*2=127.4M<sup>3</sup>

### PUMPING

- Fuel Oil: 2 x 150 m<sup>3</sup>/hr x 90 m head
- Drill /Ballast Water: 1 x 150m<sup>3</sup>/hr x 90 m head
- Fresh Water: 1x 150 m<sup>3</sup>/hr x 90 m head
- Liquid Mud&Brine: 2x 100 m<sup>3</sup>/hr x 180 m head,(screw);  
1 x 100m<sup>3</sup>/hr 180 m head,(centrifugal)
- Bulk: 2 x 20 m<sup>3</sup>/min @ 5.6 bar
- Methanol (optional): 2 x Methanol discharge pump, Horizontal screw type ,75 m<sup>3</sup>/h @ 9bar.

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### ANCHOR & MOORING

- Anchors: 2 x 3060 kgs Stockless Spek Anchors
- Anchor Chain: 2 x 357.5 m chain 44 mm dia.,grade 3.
- electricWindlass: 2 x12 Tons @ 15 m/min
- Electric Tugger Winch: 2 x 10 Tons @ 25m/min
- Electric Capstans: 2 x 8 Tons @ 16 m/min

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### ACCOMMODATION

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- Officers: 8x Single berth Cabins
- Crew: 6x Double Berth Cabins
- Charterer& Passenger : 3x Single Berth Cabin +1x Double Berth Cabin+ 4 x Four Berth Cabin
- Hospital provided on 02 Deck Total: 41 Berths, Fully Air-conditioned



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### NAVIGATION & COMMUNICATION

- Radars: One x Consilium (Sweden) (S Band)  
One Consilium (Sweden) (X-Band) ARPA Radar
- DGPS: Two x SIMRAD(Sweden)
- AIS: One x JOTRON(Norway)
- Echo Sounder: One x SKIPPER(Norway)
- Auto Pilot: One x SIMRAD; One x integrated with KONGSBERG DP system
- Gyro Compass: Three Sperry NAVIGAT X MK 1 Gyro with 7 repeater
- GMDSS: Two x Thrane & Thrane (Sailor) (Denmark)Inmarsat C Area A1, A2 & A3  
Operations
- S.S.B.: One x Thrane & Thrane (Sailor) (Denmark)
- Inmarsat FB 500: One xThrane & Thrane (Sailor) (Denmark)
- VHF/DSC: Two x Thrane & Thrane (Sailor) (Denmark)
- VHF: One x Thrane & Thrane (Sailor) (Denmark)
- Speed Log: One x Consilium(Sweden)
- Navtex: One x Thrane& Thrane (Sailor) (Denmark)
- VDR: One x Consilium(Sweden)
- P.A. System, Anemometer, EPIRB's & SART's provided.

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### DYNAMIC POSITIONING SYSTEM (DP 2)(Integrated Kongsberg Joystick System)

- IMO Class DP 2 System:Kongsberg K-Pos DP 2#
- 2x DGPS (2 xDPS112)#
- 1 x CYSCAN Reference Systems #

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### EXTERNAL FIRE FIGHTING (FIFI 1)

- Monitors: 2 x RemoteControlled Monitors on Wheelhouse top, Capacity 1200 m3/hr;
- Pumps: 2 x 1600 m3/hr driven by Main Engine through PTO.

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### MISCELLANEOUS

- One Deck Crane, 3 T SWL at 10 - 16 m radius.
- FRC; 1x6.7m; 3P $\geq$ 20knots;Capacity 9P; launched by A-FRAME davit
- Sewage Treatment Unit: As per Marpol requirements.
- Oily Water Separator: Installed according to MEPC. 107(49)
- Vessel designed for Zero Fuel Overflow (Clean Notation)

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### FUEL CONSUMPTION & SPEED

- At 100 % MCR: 22tons/day@14 knots
- At 85% MCR: 18 tons/day@13.3 knots



## Shenzhen Huawei Offshore Shipping Transport Co., Ltd.

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- At Economical Speed: 11 tons/day@10.3 knots
- At Stand By Approx 3.5tons/day
- Type of Fuel: HF HSD (Marine Gas Oil)