



VESSEL SPECIFICATION

M/V HUA GAO

7,200BHP AHTS

REGISTRATION

- Flag: P.R.China
- Home Port: Shanghai
- Official Number: 9912
- IMO Number: 8418629
- Call Sign: BSCL
- Classification: H CCS 5/5 offshore tug/supply ship Ice class B H CSM Aut-0
- Builder: STOCZNIA SZCZECINSKA, A.S.
- Year Built: 1991
- Inmarsat-C: 463674670
- Sailing Area: World-wide

DIMENSIONS

- Length Overall: 81.37 M
- Length Waterline: 73.91 M
- Breadth Moulded: 15.96 M
- Depth Moulded: 7.20 M
- Draft Loaded(full): 4.90 M
- Draft Light: 27.00 M
- Operating Draught: 4.75 M
- Displacement: 4,028 T (summer draught)
- Freeboard: 2.30 M (In Summer Draft)

TONNAGE

- Gross Tonnage: 2,723
- Net Tonnage: 816
- Dead Weight: 1,397

DECK CAPACITIES

- Deck Area : 11.4 M x 37.7 M = 429.78 M²
- Crash Rail: 1.50 M
- Deck Cargo: 600 Tones
- Deck Strength: 5 T/M²

DECK EQUIPMENT

- Anchor: 3 x 2460 KG
- Anchor Chain: Dia.40MM, 550M, 20 M/min.



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- Windlass: Type: WKS4
- Tugger: 1 Sets on port side: Type UP50BP083, 5 Tons
- Capstan: 2 Sets: UP50BP083, 5 Tons
- Crane: Electro/hydraulic Crane, 5 tons 8 M; 2.5 tons – 14 M.

TANK CAPACITY

- P. Water: 315 M³
- D. Water: 1040 M³
- Fuel: 650 M³
- Lube Oil: 33.2 M³
- Bulk: 164 M³ in 4 tanks
- Liquid Mud: Nil

TRANSFER RATES

- P. Water: 100 M³ /hr at 65 M head
- D. Water: 100 M³ /hr at 65 M head
- Fuel Oil: 70 M³/hr at 65 M head
- Bulk: 2 Sets Air compressors each 14 M³/min at 0.35 MPA

MACHINERY

- Main Engine: 2 Sets, Sulzer 6ZL 40/48
- Horse Power: 2 x 3,600BHP, Total 7,200BHP
- Bollard Pull: 89 Tons at 110% ME output (2 x 2920Kw)
83 Tons at 100% ME output (2 x 2650Kw)
- Propeller: 2 CPP Propellers in Kort Nozzles
- Auxiliary: 3 Sets, Sulzer 6AL 20/24, 570HP each
- Generator: 3 x 420KW, 420V/50 HZ/3 Phase
1 x 90KW, 420V/50 HZ/3 Phase (Emergency)
Total: 1350 KW
- Thrusters: 2 Bow Thruster x 6.12 Tons each
(2nd Bow Thruster installed in Jan. 2001)
- Joystick: C.P.P., control on bridge

SPEED

- Service: 12.5 knots
- Maximum: 14.5 knots
- Economical: 12.0 Knots

CONSUMPTION

- Max Consumption: 15 Tons/day
- Economical: 10 Tons/day

TOWING / ANCHOR HANDLING

- Winch: HD-150 A0101, SWL: 150 Tons
- Tow Line: Dia. 60 MM x 1000 M
- Chain Locker: 152 M³



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- Stern Roller: Dia. 1.83 M x 3.6 M
- Shark Jaw: Nil
- Towing Pins: SWL: 250 Tons
- Pennant: 2 Sets: Dia. 60 MM x 20 M
- Towing Fairlead: Yes.
- Shackle: 4 x 85 Tons; 6 x 55 Tons; 8 x 35 Tons
- Nylon Stretcher: 2 x dia. 10" x 50 M

NAVIGATION/COMMUNICATION

- Gyro Compass: VEGA-M
- Magnetic Compass: CAEPIAHO 52N-7
- Auto Pilot: PZL
- Echo Sounder: ΠΙΠΝσOP 4
- Radar: 2 x NAYADA-5 HELPMATE
- Weather Fax: FURUNO / FAX – 208 / AIN
- Direction Finder: RHUMB
- Log: IEL-2M
- Navtex: Lo-KATA
- Satellite Navigator: SHIPMATE R8 5510
- GMDSS: SAILOR
- SSB: FURUNO
- VHF: 1 Sailor Compact RT2048, 1x Raytheon Ray-80
- Portable VHF: 3 x VHF Marine Radio Model: HX238S(EB)
- Facsimile: Nil
- Windicator: 1 Set

SAFETY EQUIPMENT

- Ring Buoy: 8
- Proof Jacket 35
- Work Vests: 6
- Search Light: 3
- Life Jacket: 118
- Life Raft: 7 x 10 persons + 6 x 20 persons
- Life Boat: 1 x Rescue boat, 6 persons; 1 x Life boat, 20 persons
- Fire Fighting: 2 fire fighting pump with 4 monitors on top of the bridge with 1200M³/hr capacity
- Antipollution: 2 x Oil dispersant system; 1 boom on each side with 5 spray nozzles.
- Emergency Radio: Yes
- Emergency Life Buoy Marker: Yes
- Radio Distress Transmitter: 2 x RESCUER
- EPIRB: Yes

ACCOMMODATION

- Crew Quarters: 12
- Passenger Berth: 52
- Total Berths: 64



OIL SPILL CONTROL

- Spray Boom Length: 5.5 M

PROVISION

- Freezer: Total: 40 M³
- Cooler: 2 Sets