



## VESSEL SPECIFICATION

### M/V DONG HAI JIU 158 (东海救 158)

#### 6,400BHP AHTS

#### REGISTRATION (登记)

- Flag (船旗): China
- Home Port (船籍港): Shanghai
- Builder (造船厂): Donghai Shipyard, Shanghai
- Year Built (建造年份): 1998
- Classification (船级): H CSA Offshore Tug/Supply Vessel, Class B3, FIFI I, OILREC. AUT-O
- Call Sign (呼号): ELVL4
- Sailing Area (航区): World-wide
- Official No. (官方号码): 10883

#### DIMENSIONS (船舶尺寸)

- Length Overall (全长): 63.60 M
- Length B.P. (两柱间长): 57.20 M
- Breadth Moulded (型宽): 13.80 M
- Depth Moulded (型深): 6.90 M
- Draft Summer (最大吃水): 5.25 M
- Light Displacement (空船排水量): 1840.5 Tons
- Freeboard (干舷): 0.71 M (In Summer Draft)

#### TONNAGE (吨位)

- Gross Tonnage (总吨): 1567
- Net Tonnage (净吨): 470
- Dead Weight (载重吨): 1470 Tons

#### DECK CAPACITIES (甲板容量)

- Deck Area (Clear) (甲板面积): 35 M x 11 M = 385 M<sup>2</sup>
- Crash Rail (挡货架): 1.80 M
- Deck Cargo (甲板货): 600 Tones
- Deck Strength (甲板载重强度): 5 T/M<sup>2</sup>

#### DECK EQUIPMENT (甲板设备)

- Anchor (锚): 3 x 2000KG Stockless
- Anchor Chain (锚链): Dia.34MM x L: 14S(S), 34MM x L: 16S(P)
- Windlass (锚机): Hydraulic
- Tugger Winch (小绞车): 2 x 12 Tons (Hydraulic)
- Capstan (绞盘机): 2 x 12 Tons (Hydraulic)
- Crane (吊机): Hydraulic, 5 Tons x 7.0M

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### TANK CAPACITY (舱容)

- Fuel oil (燃油) : 532 M<sup>3</sup>(MGO)
- P. Water (生活水) : 300.30 M<sup>3</sup>
- D. Water (钻井水) : 472.19 M<sup>3</sup>
- Bulk (干散货) : 4 x 42.5 M<sup>3</sup>, total: 170 M<sup>3</sup>
- Liquid Mud (泥浆舱) : 300 M<sup>3</sup> (The tanks can also be used for HFO, MGO and Oil Recovery)

### TRANSFER RATES (传输速度)

- Fuel Oil (燃油) : 100 M<sup>3</sup>/hr at 70 m head
- P. Water (生活水) : 100 M<sup>3</sup> /hr at 60 m head
- D. Water (钻井水) : 100 M<sup>3</sup> /hr at 70 m head
- Bulk (干散货) : 82.3 p.s.i, about 80 T/hr
- Liquid Mud (泥浆) : 120 Tons/hr

### MACHINERY (机舱)

- Main Engine (主机) : 2 Sets: DAHATSU Diesel 8DKM-28L
- Horse Power (主机功率) : 2 x 3,200BHP, Total 6,400BHP
- Bollard Pull (系柱拉力) : 80 Tons
- Propeller (螺旋桨) : 2 x CPP Propellers in Kort Nozzles
- Auxiliary (辅机) : 2 Sets: TBD Diesel 234 V12 2 x 508BHP
- Generator (发电机) : 2 x Simens IFC 6-356-4SA4-Z, each 320Kw 400V/50HZ (Diesel)  
2 x Siemens IFC 6-502-4SA4-Z, each 800Kw, 440V/50HZ (Shaft)  
Total: 3,240 kW
- Bow Thruster (首侧推) : 640 BHP, 8 Tons
- Stern Thruster (尾侧推) : 320 BHP, 4 Tons

### SPEED and CONSUMPTION (航速油耗)

- Maximum (最大) : 14.5 knots 18.5 Tons/day
- Economical (经济) : 12.0 Knots 12 Tons/day
- In Port (在港) : 0.6 Tons/day

### TOWING / ANCHOR HANDLING (拖带与起抛锚)

- Winch (拖缆机) : KARMOY Winch AS 150 (Hydraulic),  
SWL 150 Tons, Brake Load 250 Tons, Double Drum.
- Tow Line Capacity (拖缆) : Dia. 65MM x 1000M
- Anchor Handling  
Wire Capacity (起抛锚缆) : Dia. 64MM x 350M
- Shark Jaw (鲨鱼牙) : KARMOY Winch, Type: AS200; SWL: 200 Tons  
Max. Wire Dia. 85mm, Max. Chain Dia.: 85mm
- Chain Locker (锚链舱) : 80 M<sup>3</sup>, 2 x 3" x 457 m each
- Towing Pins (拖带插销) : KARMOY Winch AS-80 (Hydraulic), SWL: 80 Tons
- Stern Roller (尾滚筒) : Dia. 1.8 M x 5.4 M

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All information believed to be correct but not guaranteed



### NAVIGATION/COMMUNICATION (导航与通讯)

- Gyro Compass (电罗经): Sperry MK37VT
- Auto Pilot (自动舵): Sperry ADG3000VT
- Echo Sounder (测深仪): Skipper ED-162
- Radar (雷达): 2 x FURUNO Type: Far-2825x / Far-2120x
- Log (计程仪): MCDC-1
- Satellite Navigation (卫星导航): TP-80
- GMDSS (全球海上遇险安全系统): Skenti Combridge 8750 GMDSS Console
- SSB (单边带): Skandi Trp8252S
- VHF (甚高频): 2 sets: Skandi, Type: 3024 / DSC 3000
- CCTV(视频监控系統): Yes

### SAFETY EQUIPMENT (救生设备)

- Ring Buoys (救生圈): 8
- Life Jackets (救生衣): 50
- Work Vests (工作救生衣): 10
- Thermal Protective aids (保温衣): 31
- Life Raft (救生筏): 6 x 15 persons
- Rescue Boat (救助艇): 1 x 6 persons, Zodiac with outboard engine
- Rescue Net (救助网): One rescue net on each side of the vessel.
- Hospital (病房): 1 hospital and medical equipment compliance with international standards; 2 x Stretchers
- Anti-pollution (防污染): 2 x Oil dispersant system: 1 boom, on each side with 5 spray nozzles, 1 x 3.038M<sup>3</sup> oil dispersant tank.
- Emergency Radio (紧急无线电): Yes
- Emergency Life Buoy Marker (应急救生圈标记): Yes
- Radio Distress Transmitter (无线电报警): Yes

### FIRE FIGHTING EQUIPMENT (消防)

- Certification (消防等级): Certified FIFI I
- Pump Capacity (主消防泵): 2 x 1500M<sup>3</sup>/hr, total 3000M<sup>3</sup>/hr.
- Foam Mixture capacity (泡沫): 144M<sup>3</sup>/hr.
- Monitor (消防炮): 2 monitors with 2,400M<sup>3</sup>/hr on top of the bridge.

### PROVISION (食宿)

- Accommodations (床位): 10 x single, 3 x double and 2 x 6 people, total: 28 beds.  
Full air-conditioning.
- Galley Capacity (厨房能力): 50 persons.