

VESSEL SPECIFICATION 船舶资料

Tug "HUA HE"

4,000BHP AHTS

REGISTRATION 船舶登记

- ◆ Flag 船籍: China
- ◆ Home Port 船籍港: Shanghai
- ◆ Official Number 官方编号: HK-0151
- ◆ Call Sign 呼号: BSCN
- ◆ IMO 编号: 9060211
- ◆ Classification 船级: CCS/3E + Tug/Firefighting Ship 1/Water Spray/ Deep Sea
- ◆ Builder 造船厂: Imamura Shipbuilding Co., Kure, Japan
- ◆ Year Built 建造年月: September 1993

DIMENSIONS 船舶尺度

- ◆ Length Overall 总长: 35.00 M
- ◆ Breadth Moulded 型宽: 10.50 M
- ◆ Depth Moulded 型深: 5.30 M
- ◆ Draft, Moulded 型吃水: 4.00 M
- ◆ Draft, Maximum 最大吃水: 4.90 M

TONNAGE 吨位

- ◆ Gross Tonnage 总吨: 450 Tons
- ◆ Net Tonnage 净吨: 135 Tons
- ◆ Deadweight 载重吨: 306 Tons

DECK CAPACITIES 甲板载荷

- ◆ Deck Area (Clear) 净甲板面积: 8.25 M x 8.25 M = 68.06 M²
- ◆ Deck Cargo 甲板货: 80 Tons

DECK EQUIPMENT 甲板设备

- ◆ Anchor 锚: 2 x 675 Kg
- ◆ Anchor Chain 锚链: 2 x 220 M x 28mm
- ◆ Windlass 锚机: 2 x Kitagawa Kogyo, electro-hydraulic 电动液压
- ◆ Towing Pins 拖航插销: Karmoy hydraulic towing pins SWL 170 tons, operated from wheelhouse aft console or maindeck
- ◆ Crane 吊机: Nippon Ican hydraulic Crane, 10 M x 2.2 T, 5.7 M x 4 T
- ◆ Stern Roller 尾滚筒: 1200mm diameter x 1800mm long. SWL 100 tons

TANK CAPACITY 船舶舱容

- ◆ P. Water 饮用水: 84 M³
- ◆ Fresh Water/Ballast 淡水/压载水: 78 M³
- ◆ Fuel 燃油: 238 M³

MACHINERY 机械设备

- ◆ Main Engine 主机: 2 x Yanmar Z280A-EN, totally 4000BHP at 720 rpm, CPP in 360 degree azimuthing Kawasaki Rexpeller KST-200ZC/A Z-drive units. Repellers operated independently, or combined via joystick control.
- ◆ Bollard Pull 系柱拖力: Max. 54.6 T at 11% MCR, 52.2 T at 100% MCR
- ◆ Generator 发电机: 2 x 144kw 385V, 50hz alternators driven by Yanmar 6HAL-HTN diesel engines
- ◆ Bow Thruster 首侧推: 1 x 3.5 Tons
- ◆ Exhausts 排气装置: All exhausts fitted with sparkles silencers 所有排气装置配有无火化消声器

SPEED / CONSUMPTION 航速/油耗

- ◆ Maximum 最大航速: 13.89 Knots at 100% MCR
- ◆ Consumption 油耗: 14.4 tons/day at 100% MCR

TOWING / ANCHOR HANDLING 起抛锚设备

- ◆ Main Tow Winch 主拖缆机: Kitagawa Kogyo electro-hydraulic driven winch
Single drum 50/15T x 5/15 m/min
brake capacity 100T
Wire capacity 1000m x 48mm diameter wire.
Automatic spooling gear fitted.
Operated at winch side and remote at wheelhouse aft console.
Warping drum fitted.
- ◆ Forward Tow Winch 前拖缆机: Kitagawa Kogyo electro-hydraulic driven winch
2/1 T x 25/65 m/min.
Brake capacity 80T.
Operation at winch side and wheelhouse forward console.
Fitted with 100m x 96mm diameter Supermix rope
- ◆ Tugger Winch 绞车: Kitagawa Kogyo electro-hydraulic driven winch 10/5T at 15/30 m/min.
Brake capacity 15T.
Wire capacity 200m x 22mm diameter wire.
Warping drum fitted.

NAVIGATION/COMMUNICATION 航海/通讯设备

- ◆ Radar, Main 主雷达: 1 x Furuno FR2010
- ◆ Radar, Auxiliary 附雷达: 1 x Furuno FR7040D
- ◆ Echo Sounder 测深仪: 1 x JRC type JFE-570SD
- ◆ Gyro/Auto Pilot 电罗经/自动舵: 1 x Tokyo keiki gylot type PR-2503-E linked to Tokyo Keiki TG-5000 gyro compass and 2 bridge wing repeaters

- ◆ Magnetic Compass 磁罗经: 1 x Gillie Sestrelina MK X
- ◆ GMDSS communications: Sailor Area A3 compact station comprising RM2042 VHF/DSC, RE2100 M F/H F radiotelephone, RM2150 MF/HF DSC watch receiver, R501 2182 khz watchkeeping receiver, RM2151 Telex, H2095
- ◆ Inmarsat-C IMN No: 447720210
- ◆ VHF: 1 x Sailor RT 2048
1 x Storno CQF 9114
- ◆ Portable Radios 手提无线电: 4 x Sailor SP3110
- ◆ Mobile Telephone 移动电: Nokia Talkman 620
- ◆ Weather Fax 气象传真: 1 x Furuno FAX-208A
- ◆ Speed Log 测速仪: 1 x Tokimec TD-201, Doppler type
- ◆ GPS Navigator 导航仪: Trimble Navgraphic XL
- ◆ EPIRB: Tron 30S COSPAS/SARSAT
- ◆ Anemometer 风速计: Nippon Electric Type C
- ◆ Navtex Receiver 海上传真接收仪: 1 x Furuno NX-500
- ◆ PA system: UNI-PEX type CPA-34

SAFETY EQUIPMENT 安全设备

- ◆ Fire Fighting 对外消防: Capacity: 2400 cu.meter/hr.
Two centrifugal pumps driven through air clutches by the main engines.
Monitors: 2 x remote or locally controlled water fire monitors each rated 20, 000 l/minute.
1 x remote or locally controlled foam fire monitor on mast tope rated 10,000 l/minute. Two air foam tanks totalling 15 cu. meter
- ◆ CO2 Smothering CO2 灭火系统: Nohmi Bosai CO2 extinguishing system for engine room
- ◆ Drenching System 浸湿灭火系统: BV approved, fitted around the exterior of the vessel
- ◆ Fire Detection 火源探测: NohmiBosaiFAC552A
- ◆ Rescue 救助: Dunlop rigid hull inflatable boat with outboard engine.
Immersion suits and automatic inflatable life jackets provide.
- ◆ Radar Transponder 雷达应答器: 2 x TRON SART search and rescue transponders
- ◆ VHF Direction Finder 测向仪: JMCDF-550
- ◆ Dispersant System 消油剂系统: 2 x 3.5 m spray booms on forecastle deck.
Dispersant tank: 6 cu.meters

ACCOMMODATION 住舱

- ◆ Officers 高级船员: 4 x 1 berth
- ◆ Crew 船员: 4 x 2 berth
- ◆ Salvage Crew 救助船员: 1 x 4 berth
- ◆ Total 总计: 16 berths

MISCELLANEOUS 其他

- ◆ Heavy duty fendering of both horizontal and vertical type, with water lubrication on bow for role as berthing tug. 垂直和水平两个方向都有水润滑防撞设施，船舶可作为协助靠泊拖轮使用