

HAI YANG SHI YOU 691



GENERAL DATA

Date of Completion	2015
Builder	Wuchang Shipbuilding Industry Company LTD
Design	Rolls-Royce
Vessel Type	AHTS
Flag	CHINA
Registry Port	zhanjiang
Classification	CCS
Class Notation	★ CSA Offshore Tug/Supply ship, Stand-by Ship, Anchor Boat, Oil Recovery Ship B, Fire Fighting Ship 1, Water Spraying, Ice Class B, Strengthen Deck, Max. cargo Density in Mud Tank (2.8 t/m ³), Clean Plus, loading computer (s,i,d), comf(vib)3, lifting appliance, helicopter facilities, bwms COMF(noise)3, NAV-OSV, In-Water Survey, CHS ★ CSM AUT-0, DP-2, PR-2, SCM, CMS

MAIN DIMENSIONS

L.O.A	93.40m
D. Mid.	9.50m
B. Mid.	22 m
Draft Load	9.1 m
Draft Light	6.38m
Gross Tonnage	6889
Net Tonnage	2066
Dead Weight	~3963t

PERFORMANCE

Maximum Speed	18.0 knots
Economic Speed	10–12.0 knots
Bollard Pull	366t

DECK CAPACITIES

Deck Area	~685.4 sq.m
Deck Cargo	~1300t
Deck Strength	10 t/sq.m

CARGO CAPACITIES

P. Water	1100cu.m
D./B Water	3300cu.m
Diesel Oil	1100cu.m
Bulk	260 cu.m (4 Tanks)
Liquid Mud / Brine	602 cu.m
Base Oil	220 cu.m
Oil Recovery	820 cu.m, (3 Mud/Brine + centre FO tk.)

DISCHARGING RATES

P. Water	2X 150 cu.m. /hr. at 0.9Mpa
D/B Water	2 X 250 cu.m. /hr. at 0.9Mpa
Diesel Oil	1X 150 cu.m. /hr+1X 125 cu.m. /hr. at 0.9Mpa
Bulk	2x60 cu.m/hr. at 0.56Mpa
Liquid Mud	2x100 cu.m. /hr. at 2.4Mpa
Base Oil	1x125 cu.m. /hr. at 0.9Mpa
Brine	1x75 cu.m. /hr. at 1.8Mpa

ACCOMMODATION

Crew	18
Passenger	42

MACHINERY & PROPULSION

Main Engine	2 X WARTSILA16v32/40
Main Power	2 X 8000KW, Total 21768 HP
Total Power	2x8000kW Main Engine + 2x3000Kw PTI (Hydri) +1500kW(A-Z Swing-up)
Propeller	2 X Rolls-Royce in kort nozzles, D4800mm
Generator Sets	Auxiliary Generator : 4 X2200KW 690V/60HZ Shaft Generator: 2 X 4000KW 690V/60HZ Emergency generator: 1x400kW690V/60HZ
Bow Thruster	2X1000Kw(Tunnel); 1x1500kW(A-Z Swing-up)
Stern Thruster	1X 1000Kw(Tunnel); 1x1500kW(A-Z Swing-up)

TOWING & AH EQUIPMENT

Winch	Rolls-Royce SL500W/2BSL450WX
Towing Drum	Working Drum Cap: D76mm x 14800m+D90mmx3500m
Towline	D90mmx2000m
AH Wire	D90mmx2500m
Secondary Winch	Rolls-Royce 2SL170WX (Drum Cap: D168mmx11000m
Stern Roller	L6000mm(2rollers)XD4500mm,MWL,750T
Towing Pins	2sets/vessel Max Working Lord: 400T
Shark Jaw	2sets/vessel Max Working Lord: 800T
SDO Crane	2 x SWL: 5 T@2.6–14.3m
Chain Lockers	1140cu.m, 6 lockers

SAFETY & FIFI & ANTIPOLLUTION EQUIPMENT

Life Raft	3X 25 persons X2(PORT&STBD)
Rescue Boat	1set x 6Persons; Max speed ≥ 28kn, With 3persons Water jet
FiFi	FiFi 1 +water spray .Capacity: 2400m ³ /h at 140mlc
Antipollution	Dispersant Tank: Spraying Arm:

NAVIGATION & COMMUNICATION

Gyro-Compass	3 X NAVIGAT X MK 1
Magnetic Compass	1 X NAVIPOL I
Radar	1 X VisionMaster FT ; 1 X VisionMaster FT
INMARSAT-C	2 X TT-3000E
INMARSAT-F	1xSAILOR 500
SSB	SAILOR SYSTEM 5000
VHF	2X SAILOR RT5022; 2x SAILOR RT 2048
GPS	2 X GP150
Facsimile	1 X FAX-408
Wind Indicator	DEIF WSDI-2
Echo Sounder	1 X GDS102
Autopilot	1xNAVIPILOT 4000
Radio	SAILOR SYSTEM 5000
EPIRB	E5
NAVTEX	NX-700A
Wave Detector	Miros Wavex
Electronic Chart System	2xVisionMaster FT ECDIS

DP SYSTEM

DP2, Rolls-Royce

SPECIAL EQUIPMENT

A-frame	250t
AHC Crane	100t
Ballast water treatment	250cu.m/hr
Helideck	Designed for Sikorsky S-92 / Eurocopter EC 225 etc.