

HAI YANG SHI YOU 641/642

GENERAL DATA

Date of Completion	2015
Builder	COSCO (GUANGDONG) SHIPYARD CO.,LTD. SHANGHAI MERCHANT SHIP DESIGN&RESEARCH INSTITUTE
Design	
Vessel Type	AHTS
Flag	CHINA
Classification	CCS
Class Notation	★CSA Offshore Tug/Supply ship, Stand-by Ship, Anchor-Handling, Ice Class B, In-Water Survey ★CSM AUT-0

MAIN DIMENSIONS

L.O.A	73.80 m
B. Mld.	16.00 m
D. Mld.	7.40 m
Designed Draft	4.80 m
Maximum Design Draft	6.00 m
Scantling Draft	6.29 m
Gross Tonnage	2618.00
Net Tonnage	807.00
Dead Weight	~2368.00t

PERFORMANCE

Maximum Speed	~14.3 knots
Economic Speed	~12.0 knots
Bollard Pull	~101.2t

DECK CAPACITIES

Deck Cargo Area	38 m × 12.8 m, 480 sq.m
Deck Cargo	750t
Deck Strength	5~10 t/sq.m

CARGO CAPACITIES

P. Water	541.81 cu.m
D./B Water	1317.14 cu.m
Diesel Oil	778.03 cu.m
Bulk	170 cu.m (4 Tanks)
Liquid Mud / Brine	384 cu.m

DISCHARGING RATES

P. Water	1X 120 cu.m. /hr. at 1.0Mpa
D/B Water	2 X 120 cu.m. /hr. at 1.0Mpa
Diesel Oil	1X 100 cu.m. /hr.at 1.0Mpa
Bulk	2x37.5 t/hr. at 0.56Mpa
Liquid Mud	2x75 cu.m. /hr. at 1.8Mpa
Brine	1x75 cu.m. /hr. at 1.8Mpa

ACCOMMODATION

Crew	15
Passenger	10



MACHINERY & PROPULSION

Main Engine	4 sets, type:6DKM-26e(L)
Main Power	4 X 1618KW, Total 6472KW
Propeller	2 X Propeller, D3200mm
Generator Sets	Auxiliary Generator : 2 X280KW 400V/50HZ Shaft Generator: 2 X1350KW 400V/50HZ Emergency generator: 1x90kW 400V/50HZ
Bow Thruster	2x10.3T (2x630kw)
Stern Thruster	1x7.1T (1x480kw)

TOWING & AH EQUIPMENT

Winch	FUKUSHIMA TYPE:DDW-25OH-4M
Towing Drum	Working Drum Cap: D64mm × 1500m
Towline	D64mmx1000m
AH Wire	D70mmx300m
Secondary Winch	FUKUSHIMA TYPE:DDW-25OH-4M (Durm Cap: D70mmx1500m)
Stern Roller	L5400mmXD2400mm,MWL,3500KN
Towing Pins	1sets/vessel Max Working Lord: 1500KN
Shark Jaw	1sets/vessel Max Working Lord: 3500KN

SAFETY & FFI & ANTIPOLLUTION EQUIPMENT

Life Raft	2X 25 persons X2(PORT&STBD)
Rescue Boat	1set × 6Persons; Max speed ≥ 25kn, With 3persons Water jet

NAVIGATION & COMMUNICATION

Gyro-Compass	1 X NAVIGAT X MK 1
Magnetic Compass	1 X NAVIPOL I
Radar	1 X VisionMaster FT S-Band Radar; 1 X VisionMaster FT X-Band Radar
INMARSAT-C	2 X FLECOM-18
INMARSAT-F	1xFELCOM250
SSB	1xFS-5075T
VHF	2X FM-8900S
GPS	1xGPS L1, C/A Code, 50 Channels
Facsimile	1xF3C
Wind Indicator	1xMODEL 05106 WIND MONITOR-MA
Echo Sounder	1 X ES5100
Autopilot	1xNAVIPILOT 4000 BASIC
Radio	1XRC-1800T
EPIRB	1xE5
NAVTEX	1xNX-700A
Electronic Chart System	1xVisionMaster FT ECDIS