

HAIYANGSHIYOU684/685

GENERAL DATA

Delivery Date	2015
Buider	Shanghai Zhenhua Heavy Industry CO., LTD.
Design	Rolls-Royce
Vessel Type	AHTS
Flag	CHINA
Classification	CCS
Class Notation	★CSA Offshore Tug / Supply ship, Anchor Handling, Stand-by Ship, Fire Fighting Ship 1, DP-2 ★CSM AUT-0

MAIN DIMENSIONS

L.O.A	81.2m
D. Mid.	8.3m
B. Mid.	19.2m
Draft Load	7.0m (excluding skeg) ; 8.02m (including skeg)
Draft Light	5.0m (excluding skeg) ; 6.02m (including skeg)
Scantling Draft	7.1m
Gross Tonnage	~ 3934
Net Tonnage	~1330
Dead Weight	~3100t

PERFORMANCE

Maximum Speed	≥ 16.0 knots
Economic Speed	13-15 knots
Bollard Pull	≥ 180ton

DECK CAPACITIES

Deck Area	610 sq.m
Deck Cargo	1200t
Deck Strength	10 t/sq.m

CARGO CAPACITIES

P. Water	844cu.m
D./B Water	2428cu.m
Diesel Oil	1620 cu.m (Including combination tanks)
Bulk	230 cu.m (4 Tanks)
Liquid Mud	735 cu.m
Brine	482 cu.m
Base Oil	366 cu.m

DISCHARGING RATES

P. Water	1 × 150 cu.m. /hr. at 1Mpa
D/B Water	2 × 150 cu.m. /hr. at 1Mpa
Diesel Oil	1 × 120 cu.m. /hr at 0.9Mpa
Bulk	2 × 37.5 cu.m. /hr. at 0.56Mpa
Liquid Mud	2 × 75 cu.m. /hr. at 1.8Mpa
Base Oil	1 × 100 cu.m. /hr. at 0.9Mpa
Brine	1 × 75 cu.m. /hr. at 1.8Mpa

ACCOMMODATION

Crew	16
Passenger	8



MACHINERY & PROPULSION

Main Engine	4 × MAN 8L27/38
Main Power	4 × 2920KW, Total 11680KW
Propeller	2 × BERG CPP in nozzles, D 4200mm
Generator Sets	Auxiliary Generator : 2 × 400KW 400V/50HZ Shaft Generator: 2 × 2400KW 400V/50HZ Emergency generator: 1 × 120kW 400V/50HZ
Bow Thruster	1 × 15.3T (Tunnel); 1 × 15.9T (A-Z Swing-up)
Stern Thruster	2 × 15.3T (Tunnel)

TOWING & AH EQUIPMENT

Winch	Rolls-Royce BSL350/2SL350W
Towing Drum	2 × D76mm × 1600m + D76mm × 3500m
Towline	2 × D76mm × 1500m (one duty one spare)
AH Wire rope reel	D76mm × 600m + D76mm × 300m Rolls-Royce LAKM × 63010 (wire capacity: D76mm × 1670m)

Stern Roller	Twin type, 2 × L3000mm × D3500mm, MWL, 550T
Towing Pins	2sets/vessel, SWL: 300T
Shark Jaw	2sets/vessel, SWL: 600T
Chain Lockers	398cu.m, 4tanks

SAFETY & FIFI & ANTIPOLLUTION EQUIPMENT

Life Raft	4set × 25Persons, type: self-right inflatable liferaft
Rescue Boat	1set × 6Persons; Maximum speed ≥ 25kn, With 3persons Water jet
FIFI	FIFI 1, Capacity: 2 × 1200m ³ /h

NAVIGATION & COMMUNICATION

Gyro-Compass	Sperry/Dual NAVIGAT × MK1
Magnetic Compass	Sperry/NAVIPOL I
Radar	Sperry/Vision Master FT/1 SET X-BAND/1 SET S-BAND

INMARSAT-C	SAILOR/6110/2 SETS
INMARSAT-F	SAILOR/FB250
MF/HF SSB	SAILOR/6350/500W
VHF	SAILOR/6222/2 SETS/25W/6210/2 SETS/25W

GPS	SAAB/R5/2 SETS
Facsimile	FURUNO/FAX-408
Echo Sounder	SKIPPER/GDS 101/200kHz
Autopilot	Sperry/NAVIPLOT 4000
Radio	SAILOR/6000 series
EPIRB	McMurdo/E5
NAVTEX	FURUNO/NX-700A
Electronic Chart System	Sperry/Vision Master FT

DP System

DP2	KONGSBERG
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