

# HAIYANGSHIYOU 688/689

## GENERAL DATA

Year Built	2004 / 2005
Builder	Huanghai Shipyard, China
Design	SDARI
Type	AHTS
Flag	CHINA
Registry Port	Tianjin
Class NO.	04U4017 / 05C1016
IMO NO.	9338254 / 9344899
Call Sign	BFIE / BFIF
Classification	CCS
Class Character and Notations	★CSA Stand-By Ship; Oil Recovery Ship B; Offshore Supply Ship, Tug; Fire Fighting 1; Ice Class B2 ; Water Spraying ★CSM AUT-0

## MAIN DIMENSIONS

L.O.A.	70.56 m
B. Mld.	14.8 m
D. Mld.	7.0 m
Draft Load	5.7 m
Draft Light	3.8 m
Gross Tonnage	1953
Deadweight	1500 t

## PERFORMANCE

Maximum Speed	14.5 Knots
Economic Speed	12.5 Knots
Bollard Pull	90 t

## DECK CAPACITIES

Deck Area	350 sq.m
Deck Cargo	500 t
Deck Loading	5 t/sq.m

## CARGO CAPACITIES

P. Water	357 cu.m
D./B. Water	472 cu.m
Diesel Oil	794 cu.m
Bulk	170 cu.m (4 Tanks)
Liquid Mud	303 cu.m

## DISCHARGING RATES

P. Water	100 cu.m/hr at 0.80 MPa
D./B. Water	100 cu.m/hr at 0.80 MPa
Diesel Oil	100 cu.m/hr at 0.80 MPa
Bulk	70-80 t/hr
Liquid Mud	60 cu.m/hr at 0.80 MPa

## ACCOMMODATION

Crew	18 Bunks
Rescue Capacity	12 Bunks



## MACHINERY & PROPULSION

Main Engine	2 x MAN B&W 9L27/38
Horsepower	2 x 4160 HP, Total 8320 HP
Propeller	2 x 4 blades C.P.P.
Generator Sets	Auxiliary Generator : 2 x 360KW Shaft Generator: 2 x 1280KW Emergency Generator: 1 x 64KW
Bow Thruster	2 x 90 KN
Stern Thruster	1 x 60 KN
Crane	1 set, 10m x 20KN

## TOWING & AH EQUIPMENT

Winch	1 x PR-AHTW/WF-SWL-150T; Double Drums Waterfall; Rated line Pull: 150T at 0-5 m/min; Max Brake Pull: 288T
Drum Capacity	L1000 m x D64 mm
Towline	2 x L1000 m x D64 mm
A/H Drum	L1000 m x D64 mm
AH Wire	1 x L400 m x D64 mm
Shark Jaw	One set, 4400kN
Towing Pins	One set, 2500kN
Stern Roller	L4000 m x D1600 mm SWL 3150KN
Capstan	2 x 75 KN at 0-10 m/min
Tugger	2 x 100 KN at 0-18 m/min

## SAFETY & FIFI & ANTIPOLLUTION EQUIPMENT

Life Raft	6 x 15 Persons
Rescue Boat	2 x GJ6.6B-1 6m x 2.05m x 1.10m Speed < 25 knots with 3 persons;
Fifi	Speed < 20 knots with 6 persons Fifi 1; 2 x 1200 cu.m/hr
Antipollution	Foam Tank: 9.6 cu.m; Foam: 1 x 300cu.m/hr Dispersant Tank: 4 cu.m; Spraying Arm: 2 x 6 m; Oil Recovery Tank: 2 x 83.4 cu.m

## NAVIGATION & COMMUNICATION

Gyro-Compass	TG-6000
Magnetic Compass	SH-165A
Radar	1 x FR-2125; 1 x FR-2135S
INMARSAT-C	1 x FELCOM-12
VHF	2 x FM-8500
GPS	2 x GP-80
Facsimile	FAX-207
Wind Indicator	NEI N-54D
Echo Sounder	FE-700
Autopilot	PR-6000
Radio	1 x FS-5000
EPIRB	1 x 406WH
NAVTEX	1 x NX-500