



**16000KW / BP 287.9MT / DP-2 AHTS VESSEL SPECIFICATION**

Name of ship		TBD	
Owner		TBD	
Owner address		TBD	
Date of Build		2012.10.18	
Shipbuilder		WUCHANG SHIPYARD, CHINA	
Call Sign		TBD	
Nationality		China	
Port of Registry		Shanghai	
Classification		China Classification Society, offshore tug/supply ship, Fire fighting ship 1, Water Spraying, In-Water Survey, PSPC. Ice class B2, AUT-0, DP-2.	
Registered No.		TBD	
MMSI No.		TBD	
MO No		TBD	
Type of Ship		Multi-purpose Ocean-going TUG	
Gross Tonnage		4730	
Net Tonnage		1703	
Sailing Area		World-wide	
Length BP		80.00 m	
Principal Dimensions		LOA (m) / B (m) / D (m) : 90.0 m / 20.0 m / 8.8 m	
Draft (Fore/ Aft)	Full	7.2 m	
	Light	5.6 m	
Power of Main Engines		4000 KW x 4 (total: 16000 kw)	
Bollard Pull		287.9 MT	
	9200.35MT		4644.7MT
<b>SHIP COMMUNICATION DETAILS</b>			
TEL No.		TBD	
FAX No.		TBD	
E-mail address		TBD	

Satcom-C Tlx no.	441221036	
<b>TANK CAPACITY</b>		
Fuel Oil	3380 m3	
Diesel Oil	350 m3	
Lube Oil	110 m3	
Fresh Water	365 m3	
Ballast Water	2470 m3	
Liquid Mud	542 m3	
<b>LIQUID TRANSFER RATES</b>		
Water	pressure:8 bar capacity:100 m3/hr	
Oil	pressure:10 bar capacity:108 m3/hr	
<b>MACHINERY</b>		
Main Engines	Type	Wartsila 8L32
	Maker	Wartsila
	Rated output/rpm	4000 kw x 4 sets, 750 r/min
Generators	Type: DAIHATSU 6DE-18, 3 sets, Rated capacity:400kw (500 KVA, rpm: 750r/min, Phases & Freq.: 400v, 3, 50 Hz,	
Shaft Generators	Type: AVK DSG86 LI-4 ,2 sets Rated capacity:1990.4 kW (2488 KVA) , Phase & Freq.:400v, 3, 50Hz	
Emergency Generator	Type: CCFJ 90YDM, 90kw, 1500r/min Rated capacity: 112.5 KVA , Phase.& Freq.: 400V,3, 50Hz	
Emergency Fire pump	Maker & Type:JiangShu ZhengHua PUMP, 80CLZ-5.5 Capacity & Pressure: 36 m3/h ; 55m, 2950rpm,18.5kw.	
Main Engine Air Compressor	Type:HD45.1.2.00.01.10.23 1500 rpm, 30 bar,2 sets, Maker: NK GERMANY Capacity: 75 m3 /hr, Delivery pressure: 3 Mpa	
Propellers	Model: Wartsila Lips 4E1190, Propeller Dia.& rev.: 4300 mm, 141.3 rpm, MCR: 8000kw	
Steering gear	Rolls Royce SR722FCP, 2 sets ,	
Bow thruster	2 set ,Maker & Type: Brunvoll FU-74-LTC-2000-1010kW,& FU-63-LTC-1750-830kW, Output & Thrust: 1010kw, 16T & 830kw, 12T.	
Stern thruster	1 set ,Maker & Type: Brunvoll FU-63-LTC-1750-830kW, Output & Thrust: 830kw, 12T	
DP2 & J-stick	Navis NavDP 4000, NAVIS ENGINEERING OY.	
<b>TOWING/ ANCHOR HANDLING EQUIPMENTS</b>		
Towing/Anchor handling winch	Type: ZICOM DCK001214AHTW-400, capacity: 400 ton, Rated speed: 5-36 m/min, Drum: 2 pcs, Maker:ZICOM PRTVATE LIMITED SINGAPORE	
Tow wire	① Dia. 80 mm x 1700 metres, ② Dia. 80 mm x 1700 metres ③ Dia. 80 mm x 1700 metres (on spare storage drum)	

Shark Jaw	Type: ZICOM DCK001214HSJ-570, Capacity: 570tons Maker: ZICOM PRTVATE LIMITED SINGAPORE
Towing Pins	Type: ZICOM DCK001214HTP-300, Capacity: 300 tons Maker: ZICOM PRTVATE LIMITED SINGAPORE
Open stern roller	2400mm x5400mm, 6500kn.
<b>DECK EQUIPMENTS</b>	
Anchor	Type: Spek 3780 Kg x3,(one for spare)
Anchor Chain	Dia.: 50mm, Grade: AM3, Length: 27.5m x 15 shackles x 2, Maker: Wuhan Jiang Nan Anchor Co.Ltd, China
Windlass	Type: ZICOM DCK001214HWWL-50-U3-20-L/R, Winding Load: 202 KN Winding speed: 0-12 m/min, Maker: ZICOM PRTVATE LIMITED SINGAPORE
Tugger winch	2 sets, Type: ZICOM DCK001214HWW-25-L/R, Winding load: 20/25 tons, Winding speed: 20 m/min, Maker: ZICOM PRTVATE LIMITED SINGAPORE
Capstan	2 sets, Type: ZICOM DCK001214HWW-25-L/R, Winding load: 10 tons Winding speed: 20 m/min, Maker: ZICOM PRTVATE LIMITED SINGAPORE
Deck Crane	Type: YQZ1600-10t-8m(5t-14m); HTFTC2-10 SWL: 8m-10T, 8-14m-5T, Maker: HuaNan 10M-2T, ZhengJiang.
<b>NAVIGATION/ COMMUNICATION EQUIPMENTS</b>	
Gyro Compass	Type: STANDARD 22 , Maker: Raytheon Anschutz GmbH
Auto Pilot	Type: ANSCHUETZ Digital Autopilot NP2015,Maker: Raytheon Marine GmbH
Echo Sounder	Type: JFE-380 , Maker: JRC
Radar	Type: FURUNO FAR-2827-D with ARPA Type: FURUNO FAR-2837S-D with ARPA
Speed Log	Type: FURUNO DS-80
Weather Facsimile Receiver	Type: JRC JAX-9B
NAVTEX receiver	Type: JRC NCR-333
DGPS	Type: JRC-JLR-7800, 2 sets
ECDIS	Type:ANSCHUETZ,950-009.NG/SA...
AIS	Type: FURUNO FA-150
SSAS	Maker & Type: FURUNO, FELCOM 15,
S-VDR	Maker & Type: FURUNO, VR-3000
Satcom-F	Maker & Type: FURUNO ,FELCOM - 500
Satcom-C	Maker & Type: FURUNO FELCOM15
SART	Maker & Type: MCMURDO 9GHz SART / S4 x 2sets
MF/HF Transceiver with DSC	Maker & Type: FURUNO FS-5075
VHF Radio with DSC	Maker & Type: FURUNO FM-8800S
406MHz S-EPIRB	Maker & Type: MCMURDO, E5
<b>LIFE-SAVING &amp; FIRE-FIGHTING EQUIPMENTS</b>	
rescue boat	ZG27/4.3, 6 p x 1 set, high speed (24kts).
Life raft	20 p x 6 sets
Rubber work-boat	Capacity 7 p, 4.23m x 1.9m, Engine YAMAHA 50 HP

Fire Pump	Type:SSCXB300-250, Capacity:1800m3/h, 2 sets, Power: 986 kw (run by M/E), RPM: 1800, Maker: NANJING XINCHENG AIERKE FIRE EQUIPMENT CO.,LTD
Yokohama Fender	Dia x Length: 1.5m x 2.5m, 2pcs
Clear deck space: 48 M x 16.8 M = 805 M2, Deck Strength: 5 tons/m2, Crash Rail: 1.6/2.6 metres height Deck Cargo capacity: 1000 Mtons	
<b>ACCOMMODATION</b>	
Quarters: 2 berth x 22 + 1 berth x 4 , total <b>48</b> berths Hospital: 1	