

9000KW / BP 150MT / DP-2 AHTS



Name of ship	: TBD
Date of Build	: 2009-07-13
Nationality	: Hong Kong
Port of Registry	: Hong Kong
Classification	: A1,towing vessel, fire fighting vessel class 1, offshore support vessel AH, AMS, DPS-2
Kind of Ship	: Rescue, Supply, Anchor-handling Tug
Shipbuilder	: Fujian southeast Shipyard, China
MMSI No.	: TBD
IMO No	: TBD

DIMENSIONS

Length BP	: 64.80 m
Principal Dimensions	: LOA (72.50m) / B (17.0m) / D (7.5m)
Draft	: 6.488 m(full), 5.6 m(light)
Gross Tonnage	: 2921
Net Tonnage	: 876
Power of Main Engines	: 4500kw x 2 (total: 9000kw,12000BHP)
Endurance	: 12000 N miles
Bollard Pull	: 150 Tons
Speed	: 14.5 knots (Max.), 13.0 knots (Navigation)
Sailing Area	: World-wide

TANK CAPACITY

Fuel Oil	
Diesel Oil	: 1162.6 m3
M/E Lube Oil	: 14.2M3
A/E Lube Oil	: 6.9 m3
Fresh Water	: 738.214 m3

Ballast Water : 549.7 m3
Liquid Mud : 722.88 m3

LIQUID TRANSFER RATES

Water : Capacity/Pressure: 150M3/h / 90M
Oil : Capacity/Pressure: 150 M3/h / 90M

MACHINERY

Main Engines : Type:Bergen B32:40L9P, Maker:Rolls-Royce Marine AS,Bergen Norway, Rated output:4500KW750RPM X 2 SETS (Total: 12069 HP)

Aux. Engines : Type:CATERPILLAR 3412C, Maker:CATERPILLAR USA., Rated output:620 kw x 2 sets

Generators : Type: SR4B, 2 sets, Maker: CATERPILLAR USA.
Rated capacity: 737KVA, Rated volt.& cur.: 440V, 967A
Phases & Freq.: 3, 60 Hz

Shaft Generators : Type: DSG 86 MI-4 ,2 sets, Maker: AVK Detschland GmbH & co.KG
Rated capacity: 2163 KVA , Rated volt.& cur.: 440V, 2838A,
Phase & Freq.: 3, 60Hz

Emergency Generator : Type:M 44.2S7 C 6/4, Maker: LEROY SOMER
Rated output power: 95 kw, Rated volt.& Freq.: 440V, 60Hz

Emergency Fire pump : Maker & Type: DESMI (MODEL:S80-70-220N/A09-2)
Capacity & Range: 45 m3 , 60 m

Main Engine Air Compressor : Type: HL 2/77-90-105,2 sets, Maker: SPERRE
Capacity: 28 m3 /hr, Delivery pressure: 3 Mpa

Propellers : Description:KAMEWA ULSTEIN-CONTROLLABLE PITCH Propeller, 4blades, BOTH OF OUT-BOARD TURNING
Propeller Dia.& rev.: 3900 mm, 156.3 rpm

Rudders : 2 x S-A type rudders type:S-A 2050/253 F.2,area:8.53m2
diameter;253mm ,forces and moments:M.C.R. speed ahead=660221kn,expected torque at 15kts-speed ahead =87974knm,max.rudder angle=2*45gead

Steering gear : Hydraulic, 2 sets ,Maker & Type: wagner,LA2 11.8-45-CB2

Bow thruster : 1 set ,Maker & Type: Kamewa Ulstein, TT1650 DPN-CP,
Propeller Dia. 1650 mm x 4 blades, Input Power & Thrust:
735kw, 10.8 tonnes

Retractable Azimuth Thruster(engine driven) : Maker(engine):cummins(model:KTA38-M1) 1
no.*1000bhp*1800rpm Brand(FPP):Ulstein
aquamaster(model:UL911/4220)1600mm dia.4-bladed propeller.

Stern thruster : 1 set ,Maker & Type: Kamewa Ulstein, TT1650 DPN-CP,
Propeller Dia. 1650 mm x 4 blades, Input Power & Thrust:
735kw, 10.8 tonnes

TOWING / ANCHOR HANDLING EQUIPMENTS

Towing/Anchor handling winch	: Towing winch Type: SL350W/BSL350W, Rated load: 350/14 ton, Rated speed: 6.1/74 m/min, Drum: 2 pcs , Maker: ROLLS-ROYCE MARINE AS
Wildcat (cable lifter)	: Fitted outside of the anchor handling drum, Starboard-side for 90mm chain, Port-side for 90mm chain
Tow wire	: ① Dia. 82.5 mm x 1520 metres ② Dia. 82.5 mm x 810 metres Spare: 82.5 mm x 1526 metres ;82.5 mm x 860 metres
Shark Jaw	: Maker:karmoy winch(type:M330201B)*2sets SWL:650tons
Towing Pins	: Maker:karmoy winch(type:M330201B)*4sets SWL:300tons

DECK EQUIPMENTS

Anchor	: Type: HHP stockless anchor;1.92t
Anchor Chain	: Type - flash butt-welded 46 : Manufacturer: Rolls-Royce marine-deck machinery
Windlass	Type: LBFMG63046 14T : Manufacturer: Rolls-Royce
Tugger winch	Type: LAKMX41017 15t : Manufacturer: Rolls-Royce
Capstan	Type: LCMC41010 10T : Manufacturer: Rolls-Royce
Deck Crane	: Manufacturer: TTS Type: ATB130/15E2

NAVIGATION/COMMUNICATION EQUIPMENTS

Gyro Compass	: Type: STANDARD 22, Maker: Raytheon Anschutz GmbH
Auto Pilot	: Type: 102-864NG003, Maker: Raytheon Marine GmbH
Echo Sounder	: Type: FE-700, Maker: FURUNO ELECTRIC CO.LTD
Radar	: Type: FAR-2117, Maker: FURUNO ELECTRIC CO.LTD : Type: FAR-2117, Maker: FURUNO ELECTRIC CO.LTD
Speed Log	: Maker & Type: FURUNO ELECTRIC CO.LTD, DS-80
Weather Facsimile Receiver	: Type: FAX-408, FURUNO ELECTRIC CO.LTD
NAVTEX receiver	: Type: NX-700, FURUNO ELECTRIC CO.LTD
DGPS	: Type: LD5/LID3, VERIPOS
AIS	: Type: FA-150, FURUNO ELECTRIC CO.LTD
SSAS	: Maker & Type: FURUNO ELECTRIC CO.LTD, IC-307
Satcom-F	: Maker & Type: THRANE&THRANE, 3738A/3739A
Satcom-C	: Maker & Type: FURUNO ELECTRIC
SART	CO.LTD, FELCOM-15 : Maker & Type: mcmurdo, S4
MF/HF Transceiver with DSC	: Maker & Type: FURUNO ELECTRIC CO.LTD, FS-2570C
VHF Radio	: Maker & Type: FURUNO ELECTRIC CO.LTD, FM-8800S
406MHz S-EPIRB	: Maker & Type: MCMURDO, E5
DP2	: CONVERTEAM, UK

LIFE-SAVING & FIRE-FIGHTING EQUIPMENTS

Rescue boat : 6 p x 1 sets
Life raft : 25 p x 6 sets
Fire Pump : Type: C22BA-12-16-H, Capacity: 1650 m³/h, 2 sets, total head 147mlc for 2nos.*1200m³/hr water monitor & 300m³/hr foam monitor c/w deck spray nozzle and 4-way deck delivery head & oil dispersant spray boom system

DECK CAPACITIES

Clear deck space: 510 m², Clear Deck Dimension: 34.6 x 14.1 metres
Deck Strength: 5.5 tons/m², Crash Rail: 2.7 metres height
Deck Cargo capacity: 500 M3

ACCOMMODATION

CABIN:2 SINGLE BED/CABIN+ 2 BEDS X 3CABIN + 4 BEDS X 10 CABIN
CERTIFIED LSA FOR: 48 POB

All above information is believed to be correct but without guarantee