

TERASEA HAWK

16,300 BHP/ 207 TBP AHT/ DP1/Ocean Towing/ Salvage Tug



Principal Particulars

Flag	: Singapore
Year Built	: May 2013
Place Built	: JMU, Japan
Length Overall	: 75.27 m
Length B.P.	: 65.00 m
Beam Overall	: 18.00 m
Depth Moulded	: 8.10 m
Design Draft	: 6.00 m
IMO No.	: 9624598
Official No.	: 397798
Call Sign	: 9V9965

Classification

ABS + A1 Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, Oil Recovery Capability Class 1, AMS, ACCU, TCM, DPS-1.

Capacities

Gross Tonnage	: 3513 tons
Net Tonnage	: 1053 tons
Deadweight	: 3381 tons
Heavy Fuel Oil	: 2280 m ³
Diesel Fuel Oil	: 333 m ³
Potable Water	: 366 m ³
Lube Oil	: 41 m ³
Foam Capacity	: 24 m ³
Dispersant	: 18 m ³
Max Speed	: 15 knots
Endurance	: 45 days towing at sea
Deck Loads	: From frame -3 to 16: 10 tons/m ² : From frame 16 to 49: 5 tons/m ²
Deck Space	: 450 m ²

Accommodation

One Man Cabin	: 16 x 1 berth cabin
Two Men Cabin	: 5 x 2 berths cabin
Total Complement	: 26 persons

DP Class 1 System

Dynamic Positioning System: Rolls-Royce RRM Icon DP1
Independent Joystick System: RRM Icon DP1

Machinery & Equipment

Main Engines	: 2x Wartsila 12V32 Total output 16,300BHP
Generators	: Main generators: 2 x 400kW, 420 V, 50Hz; Shaft generators 2 x 1200 kW, 420V, 50Hz; Emergency generator: 60kW, 420V, 50Hz
Steering gear	: RR, 2 x independent, electro-hydraulic rotary type
Propellers	: 2 x Controllable Pitch Propellers, 4 blade in nozzles
Rudders	: Rolls-Royce, 2 x high lift flap
Bollard Pull	: 207 tons
Bow Thruster	: Electric motor driven tunnel type, 12 tons, 800kW
Stern Thruster	: Electric motor driven tunnel type, 10 tons
Deck Crane	: Electro-hydraulic, knuckle type, 5 tons @ 16m radius
Ballast water treatment system:	Ultra violet with filter type, treatment capacity 60m ³ /hr

Tow/Anchor handling Equipment

Tow/AH Winch	: 1 x Fukushima, DDW-350H-4M, double drum with water fall type, brake holding capacity @450 tons (1st layer)
Tow/AH drum capacity:	: 76 mm x 1500m, both drums with spooling device
Spare wire reels	: 2 x 76mm x 1500m @10 tons (1st layer)
Tugger Winch	: 2 x Electro-hydraulic, each 20 tons @15m/min
Windlass	: 1 x Fukushima, Electro-hydraulic, 2 x cable lifters, 2 x winding ends, 2 x mooring drums. 15 tons x 9m/min
Shark Jaw	: 2 x Karm fork, 450 tons SWL each
Towing Pin	: 2 pair x Karmoy winch, 200 tons SWL each
Capstans	: 2 x Electro-hydraulic each 15 tons @15m/min
Stern Roller	: 1 x 450 tons SWL, B 5m x Diam. 3m

Life Saving Equipment

Rescue Boat	: 6 person capacity on single point hanging davit type
Work Boat	: 6 person capacity with launch davit
Life rafts	: 6 x 16 person capacity

FiFi 1 System / Dispersant

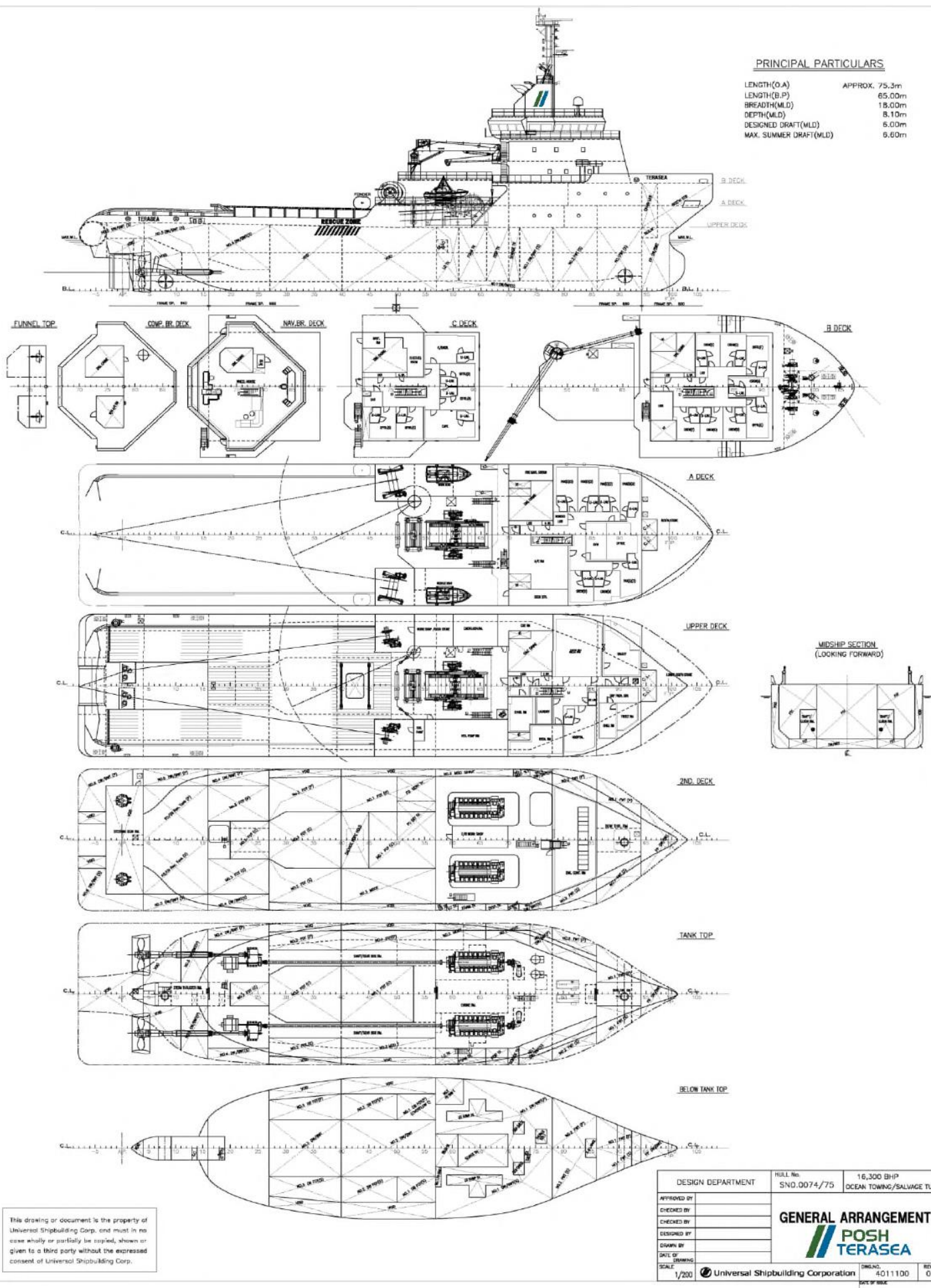
Fire Pumps	: Two seawater centrifugal pumps, each capacity of 1791m ³ /hr @ pump speed of 1800RPM
Water/Foam Monitor	: Two dual foam/water monitor each capacity of 1200 m ³ /hr at 11.5 bars
Air/Foam Liquid Tank:	: 24m ³
Spray Boom	: 2 x 6m aluminum boom with nozzle
Oil Dispersant Tank	: 18m ³

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PRINCIPAL PARTICULARS

LENGTH(O.A)	APPROX. 75.3m
LENGTH(B.P)	65.00m
BREADTH(M.L.D)	18.00m
DEPTH(M.L.D)	8.10m
DESIGNED DRAFT(M.L.D)	6.00m
MAX. SUMMER DRAFT(M.L.D)	6.60m



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DESIGN DEPARTMENT	HULL No. SNO.0074/75	16,300 BHP OCEAN TOWING/SALVAGE TUG
APPROVED BY		
CHECKED BY		
DESIGNED BY		
DRAWN BY		
DATE OF DRAWING		
SCALE 1/200	Universal Shipbuilding Corporation	DWG. NO. 4011100 REV. 0

GENERAL ARRANGEMENT
POSH TERASEA