

**DE DA**  
**OCEAN SALVAGE TUG**



<b>PRINCIPAL PARTICULAR</b>	
Classification	* CSA5/5 Salvage Tug, Ice Class B
	* CSM
Year Built	1979
Where Built	Japan
Port of Registry	Shanghai
Length O.A.	98 m
Length B.P.	90 m
Breadth Molded	15.8 m
Depth Molded	8 m
Full Load Draft	Fore 6.44 m/Aft. 6.94 m
Full Load Displacement	6292 t
Light Displacement	3245 t
Gorss Tonnage	3883 t
Net Tonnage	1164 t
Max. Speed	21.47 kn
Bollard Pull	200 t
Range	14600 n mile 31d
Accommodation	57
M.E. Consumption	200 ±4% g/kw.h
<b>MACHINERY &amp; EQUIPMENT</b>	
Diesel Main Engine	2x 7758kw x 520 r.p.m

Propeller	2 sets x C.P.P
Bow Thruster	1x 460 HP
Diesel Generator	3 x 660kw, AC 390V, 50Hz
Emergency Generator	1x 80kw
Towing Winch	1x 80t x 11 m/min
Towing Hook	1x 70t
Towing Wire	1x $\phi$ 76 mm x 1500 m
Windlass	1x 15t x 9 m/min
Anchor	2x 2640 kg
Spare Anchor	1x 2640 kg
Electro-Hyd. Steering Gear	2 sets x C.P.P
Crane	1x 25t x 360°
Derrick Boom	1x 10t
Electric Submersible Pump	6 x 60t/h
Fire & Bilge Pump	1x 120/60m <sup>3</sup> /h x 30/60m
Fire & G.S. Pump	1x 200/60m <sup>3</sup> /h x 30/60m
Fire Pump	2x 500 m <sup>3</sup> /h x 140 m
Foam/Water Monitor	2x 8000 l/min x 10 kg/cm <sup>2</sup>
Welder	1x 16 kw. 2x 7 kw
Salvage Air Compressor	1x 20 kg/cm <sup>2</sup> , 1x 7 kg/cm <sup>2</sup>
<b>TANK CAPACITY</b>	
heavy Oil	2556t
Diesel Oil	137t
Fresh Water	309t
Ballast Water	1368t
Foam	62.7t
Disp. Med.	6.90t