

M/V HUA AN 16,000 HP OCEAN TUG	
REGISTRATION	
Flag:	ST. Vincent and the Grenadines
Port of Registry:	Kingstown
Built:	1977 Verolme, Heusden The Netherlands.
Class:	C.C.S.
DIMENSIONS	
Length Overall:	67.5 m
Breadth Overall:	14.55 m
Depth:	6.90 m
Draft at summer:	6.23 m
Gross Tonnage:	2250 tons
Lightweight:	2190 tons
Deadweight:	1568 tons
Displacement at Summer:	3758 tons
CAPACITIES	
Bunkers:	1586 M ³
Potable water:	109 M ³
Distillation plant:	8 M ³ per day
Deck Cargo, max:	100 tons
MAIN ENGINES (2)	
Make:	SWD-Netherlands
Type:	6 TM 410
IHP/BHP:	16,000/9200
Propeller:	Two C.P. propellers in Kort-nozzles
Bollard Pull:	120 tons
Bowthruster:	525 hp
NAVIGATION/COMMUNICATION EQUIPMENT	
Gyro and magnetic compass connected to two autopilots and both radars.	
GPS-navigator, weather facsimile, etc.	
Full GMDSS-radio system for safety.	
Satcom A for telephone, telex and fax.	
Satcom C. Telex only.	
MF/HF-radio for telephone and telex	
Several fixed and portable VHF-sets.	
TOWING WINCHES AND GEAR	
Two main towing winches with 1200 m. 66 mm diam. steel wire for instant use	
Stalling:	100 tons
Brake:	330 tons
Spare tow wire on storage winch in hold	

3RD TOWING/STRECHER-HANDLING WINCH	
Stalling:	48 tons
Brake:	160 tons.
DECK EQUIPMENT	
One crane on forecastle deck for handling stores and salvage gear from and to forward holds; Capacity: 2/4 tons at 12/6 m outreach.	
2 Cranes on Port and S.B. boat deck aft.	
Capacity 3/6 tons at 12/6 m reach, for handling 33 hp inboard-diesel powered PVC-workboats and towage/salvage gear after deck.	
One capstan with pull of 7 tons by 18 m/min on workdeck aft and two snubbing winches on forward part of aftdeck.	
4 Hydraulic operated towing-pins on the stern	
Two bow anchors-each 2800kgs-are operated by windlass with capstans.	
Nom. Pull 20 tons, stall 40.	
Anchor chain:	Diam.: 50 mm, length: 330/385 m.
FIRE FIGHTING	
Three monitors on top deck wheelhouse for water/foam with pump of 400 ton/hour with 14 bar pressure head	
Foam compound tank of 8.5 tons with pump and fixed lines to monitors	
On boat deck two fire stations with 6 pcs 2.5" Stors.	
ACCOMMODATION	
Standard safety equipment on board for 25 persons (15 crew and 10 passengers)	
Total bunks:	38
MISCELLANEOUS	
Vessel carries an extensive range of salvage gear, f.i. pumps, generators, compressed air-, cutting/welding- and patching equipment.	