

**M/V HUAYUAN
7,200BHP AHTS- UT714**

**REGISTRATION**

Flag:	Liberia
Home Port:	Monrovia
Builder:	DAEWOO Shipbuilding & HVY Industries Ltd., South Korea.
	Yard No. 7904
Year Built:	1984
Classification:	DNV @1A1 Tug and Supply Vessel SF ID 13970
Call Sign:	E L V M 8
Sailing Area:	World-wide
Official No.:	10891

DIMENSIONS

Length Overall:	58.23 M
Length P.P.:	51.60 M
Breadth Moulded:	13.00 M
Depth Moulded:	6.75 M
Draught Summer:	5.93 M
Freeboard:	0.82 M (In Summer Draught)

TONNAGE

Gross Tonnage:	1313 Tons
Net Tonnage:	393 Tons
Dead Weight:	1729.66 Tons

DECK CAPACITIES

Deck Area (Clear):	31.50 M x 10.50 M = 330.75 M ²
Crash Rail:	1.80 M
Deck Cargo:	500 Tones

Deck Strength:	5 T/M ²
DECK EQUIPMENT	
Anchor:	2 x Spek 1590 Kg
Anchor Chain:	Dia. 34mm, K3, 400M each
Windlass:	2 x Brattvaag Electro-Hydraulic, Type: B6MG4185, 10 tons each
Tugger Winch:	1 x Brattvaag Electro-Hydraulic, 8 tons
Capstan:	2 x Brattvaag Electro-Hydraulic, Type: CM220200, 5 tons each
Crane:	1 x Electro-Hydraulic, 1.5 Tons x 6.0M
TANK CAPACITY	
Fuel oil:	811.6 M ³
P. Water:	421.4 M ³
D. Water:	438.9 M ³
Bulk:	1 x 49.4 M ³ + 3 x 51.43 M ³ , total: 203.65 M ³
TRANSFER RATES	
Fuel Oil:	200 M ³ /hr, 7.5 Bar
P. Water:	200 M ³ /hr, 7.5 Bar
D. Water:	200 M ³ /hr, 7.5 Bar
Bulk:	65 M ³ /hr; 2 x compressors, 15.2 M ³ /min. each, at 60 psi.
MACHINERY	
Main Engine:	2 Sets: BERGEN Diesel Type: KVMB-16V
Horse Power:	2 x 3,600BHP, Total 7,200BHP
Bollard Pull:	about 86 Tons
Propeller:	2 x Ulstein CPP Propellers in Kort Nozzles
Auxiliary Engine:	3 Sets: COMMINS NT 856-G (M) 3 x 320BHP
Generator:	3 x Siemens IFCS 382-4, each 210 kW, 440V, 60Hz (Diesel)
	2 x Siemens IFC 5 466-4, each 610 kW (Shaft)
	Total: 1,850 kW
Bow Thruster:	Ulstein Type: 90TV, 500 BHP, 6.5 Tons
SPEED & CONSUMPTION	
Maximum:	14.0 knots 26 Tons/day
Economical:	12.0 knots 12 Tons/day
In Port:	0.6 Tons/day
TOWING/ANCHOR HANDLING	
Winch:	Electro - Hydraulic Brattvaag SL150W/BSL150W, SWL 150 Tons, Brake Load 200 Tons, Double Drum.
Tow Line Capacity:	Dia. 56MM x 1000M
Anchor Handling Wire Capacity:	Dia. 56MM x 1000M
Shark Jaw:	Ulstein Karmfork, SWL 125 tons
Towing Pins:	2 x Ulstein - Bridge control
Rig Chain:	1 Gypsy wheel on starboard side of the drum, Capacity: 3¼"
Chain Locker:	Nil.

Stern Roller:	Dia. 1.83 M x 3.66 M, SWL 250 tons
NAVIGATION/COMMUNICATION	
Gyro Compass:	ANSCHÜTZ
Magnetic Compass:	ANSCHÜTZ KIEL Type: DHI 46/23S-0/77
Auto Pilot:	ANSCHÜTZ
Echo Sounder:	Simrad ED 161
Radar:	1 x KRUPP Type: ATALAS 5500
	1 x Recal-Decca Type: Bridge Master
Log:	Simrad NL
Satellite Navigation:	Furuno Type: MARK-2
Weather Fax:	Furuno DFAX FA207
SSB:	JRC JSB-176
VHF:	2 sets: SAIT Model: TC 5773
Navitex Receiver:	JMC NN-900
SAFETY EQUIPMENT	
Ring Buoys:	8
Life Jackets:	40
Work Vests:	10
Life Raft:	2 x 25 persons + 2 x 20 persons
Rescue Boat:	1 x 6 persons, Zodiac with outboard engine
Rescue Net:	One rescue net on each side of the vessel.
Search Lights:	2 sets, on top of the bridge.
Anti-pollution:	2 x Oil dispersant system: 1 boom, on each side with 5 spray nozzles
Fire Fighting Equipment:	200 M ³ /hr, with 1 monitor at the aft of the bridge deck.
Emergency Radio:	Yes
Emergency Life Buoy Marker:	Yes
Radio Distress Transmitter:	Yes
PROVISION	
Accommodations:	6 x single, 1 x double, 4 x 3 persons and 1 x 12 persons
	Total: 32 berths.
	Full air-conditioning.
Hospital:	1 berth
Provision Room:	Freezer Room: 16 M ³
	Vegetable Room: 16 M ³
	Dry Provision Room: 18 M ³