

VAHBIZ



TECHNICAL SPECIFICATION

Type of vessel	: Tractor Tug
Classification Society	: Indian Register of Shipping
Class Notation Hull	: 𑂔SUL, TUG
Class Notation Machinery	: 𑂔 IY
I.R. No.	: 17364
Year Built	: 1999
Builder	: Bharati Shipyard Pvt. Ltd., Mumbai , India.
Yard No.	: 270
Call Sign	: VWCI
Official No.	: 2788
IMO Number	: 9193006
MMSI Number	: 419413000
Port of Registry	: Mumbai
Flag	: Indian
Dimensions	
Length Overall	: 31.00 m
Breadth, moulded	: 9.60 m
Depth	: 3.917 m + 1.8 m
Draft, designed (mld./ext.)	: 2.90 m / 4.80 m
GT/NT	: 292/88
DWT at assigned draft	: 148 T
Machinery	
Main Engines	: 2 x Ulstein Bergen KRMB-6, 1790 BHP @ 900 RPM each, Total 3580 BHP
Propulsion Units	: 2 x Aquamaster US 1701/3000 Azimuthing Units
Generators	: 2 x 60 KW Diesel Generators driven by Cummins 6BT5.9 GIM 115 HP @ 1500 RPM, 3 ph/415 V/50 Hz
Fuel Consumption & Speed	
At 100 % MCR	: 13.0 T/day @ 12 knots
At 85 % MCR	: 9.65 T/day @ 11 knots
At Service Speed	: 7 T/day @ 10 knots
Speed	: 12 Knots (max.)
Type of Fuel	: HFHSD (Marine Gas Oil)

Towing Winch / Hook

Bollard Pull	:	45 Tons
Towing Winch	:	Brusselle Marine Industries
Line Pull	:	Nominal Pull of 30/15 Tons @ 4.9/9.8 m/min.
Max. Stall	:	35 Tons
Brake Capacity	:	90 Tons
Warping Head	:	Nominal Pull : 37/18.5 Tons @ 3.92/7.84 m/min.
Drum Capacity	:	300 m steel wire dia 44 mm x 8 layers
Tow Hook	:	45 Tons SWL quick release type
Control	:	Local & Wheelhouse

Capacities

Fuel Oil	:	80 m3
Ballast Water	:	55 m3
Potable Water	:	35 m3
Lub Oil	:	4.3 m3
Foam Tank	:	9.55 m3
Dispersant Tank	:	2.10 m3
Bilge Holding Tank	:	2 x 2.5 m3

External Fire Fighting

Pump	:	1 x main engine driven Ingersoll Dresser 200 LN-500 Pump, Capacity 600 m3 / hr
Monitors	:	1 x Counterfire fixed electrical monitor mounted on mast for water & foam remotely operated from wheelhouse

Anchor & Mooring

Anchors	:	2 x 590 Kgs
Cables	:	2 x 247.5 m Chain Cable of 17.5 mm dia
Anchor Windlass	:	Bhawani Engg. Works (Electric - 5.5 KW) with 2 cable lifters and 2 warping drums
Adequate Bits	:	Provided

Accommodation

Certified Accommodation	:	9 persons
Cabins	:	1 x Single berth 1 x Double berth 1 x 6 Crew Fully Air-conditioned

Navigation & Communication

Radars	:	1 x X Band Furuno FR 1942 Mk 2
GPS	:	1 x Furuno GP 80 Mark 3
Echo Sounder	:	1 x JRC, JFE-680
Magnetic Compass	:	1 x Cassen & Plath GmbH
Navtex Receiver	:	1 x JMC NT-2000
SSB	:	SAIT TRP 8251
VHF	:	2 x Sailor RT 2048
DSC	:	1x Sailor RM 2042
Inmarsat Mini-M	:	Thrane & Thrane
Automatic Identification System	:	Class-A TR-2500

Fire Fighting & Life Saving Appliances

: As per SOLAS

Miscellaneous

Accommodation and bridge installed on anti-vibration mounts, eliminating vibration even at max. power. All round unrestricted clear view from wheelhouse. Engine Exhaust at bulwark level.

Polution Control Equipment

Oil Dispersant Equipment	:	2 x SS Portable boom (5 m long) fitted with down spray nozzles.
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