

AHTS SHIVANSH

PRINCIPAL PARTICULARS

Registry	Indian
Call Sign	: VTPE
Official No	: 4862
Year Built	: 2004
Class	: IRS
Notation	: Hull Machinery Supply Vessel, Fire Fighting Ship 1 Water Spraying Unrestricted Navigation
Type	: Anchor Handling / Terminal Mooring Tug / Multi Purpose Tug / Tug
Class No.	03698W
IMO No.	9303637
Hull No.	835

DIMENTION

Length Overall	: 43.77 M
Breadth, Moulded	: 13.20 M
Depth, Moulded	: 5.20 M
Draft, Summer	: 4.50 M
GRT	: 964 MT
NRT	: 289 MT
DWT	: 660 MT

PERFORMANCE

Maximum Speed	: 09 Knots
Economical Speed	: 06 Knots
Type of Fuel	: HFHSD (Marine Gas Oil)

CARGO CAPACITIES

Deck Cargo	: 350 MT
Deck Strength	: 7.5 MT /m2
Clear Deck Area	: 250 m2
Fuel Oil	: 521 T
Fresh Water	: 194 T
Ballast / Drill Water	: 91 MT
Freezer	: 12 M ³
Chiller	: 12 M ³
Foam	: 18 M ³
Detergent	: 18 M ³

PROPULSION SYSTEM

Main Engine	: 2 X Caterpillar 3516B @2375 BHP
Main Generator	: 3 X Caterpillar 3408C @ 315 KW
Emergency Genset	: 1 x Perkins @50 KW
Bow Thruster	: 1 x 5 MT Tunnet Thruster
Steering Gear	: 2 x 35 degree -5 MT
Propulsion	: 2 x 4 Bladed CPP in k. nozzles BERG
Rudders	: 2 x Conventional Rudder

DECK EQUIPMENT

Windlass	: 8 MT at 9m /min for 36mm diameter chin
Bow Anchors	: 2 x 1080 kg HHPA
Chains	: 2 X 412.5 m x 34 mm
Capstan	: 2 X 5 MT @ 15 m/min
Tugger Winch	: 2 X 10 MT @ 15m/min
Deck Crane	: 1 X Electro Hydraulic Crane SWL 5 MT @ 10 m

DISCHARGE RATES

Fuel Oil	: 60m ³ / hr @50m/head
Fresh Water	: 60m ³ / hr @50m/head

AUXILLIARY SYSTEM

Oily Water Separator	: 1 X 1 m ³ /hr
EEBD	: 12 Nos.
Sewarage Treatment Plant	: 1 x 25 men per day

ACCOMMODATION

Berths	: 24 including crew
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All Cabins are fully air-conditioned



FIRE FIGHTING EQUIPMENT

EXTERNAL

Fi-Fi	: FiFi 1
Fire Pump	: 2 x 1400 m ³ /hr at 12 bar
Fire Monitor	: 2 x 1400 m ³ /hr at 12 bar

INTERNAL

Fixed System in E/R	: CO2 system in engine room
Fire Detection System	: All Living spaces and engine room

TOWING & ANCHOR HANDLING EQUIPMENT

Bollard Pull	: 65 MT
Tow /AH Winch	: Double Drum Water Fall Type 1000 m x 56 mm Wire rope (Towing) 1000 m x 56 mm of wire rope (Anchor Handling)
Breaking Capacity	: 200 MT
Stern Roller	: 6 m & 3.5 m length, 150 MT
Shark Jaws	: 300 MT hydraulic retractable
Tow Pins	: 2 x 100 MT

NAVIGATIONAL / COMMUNICATION

GMDSS	: A1 +A2 +A3
SSB	: 1 X FURUNO FS-2570C
GPS Navigator	: 1 X FURUNO GP - 80
SART	: 2 X MCMURDO RT9-3
Inmarsat C	: 1 X FURUNO FELCOM 15
VHF Radio	: 2 X FURUNO FM -8500
Nevtec Receiver	: FURUNO NX-500
X- Band Rader	: 1 X FURUNO FR-2115 1 X FURUNO FR-1510 MARK 3
Echo Sounder	: 1 X FURUNO FE-700
Gyrocompass	: 1 X ANSCHUTZ
Autopilot	: 1 X ANSCHUTZ NP -60
Weather Fax	: 1 X FURUNO FAX -207
Speed Log	: 1 X FURUNO DS-80
Magnetic Compass	: 1 X CASSENS & PLATH
Ais	: 1 X FURUNO FA -100
Satelite EPIRB	: 1 X MCMURDO E3
Liferaft	: 4 X 15 persons
Lifebuoys	: 8 pcs with buoy lights
Life Jackets	: 40 pcs
Immersion Suit	: 3 (exemption JLM)
Rescue Boat	: 1 X 6 men (rigid) c/w 15 hp 1 X 6 men (inflatable) c/w 25 hp
Air breathing App	: 4