



SADHAV

Dream It. Do It.

AHTS Aditri



85T BP, DP2, Anchor Handling Tug & Supply Vessel

SADHAV SHIPPING LTD.

Mumbai

www.sadhav.com

DIMENSIONS

Length overall:	64.80 m
Breadth moulded:	16.00 m
Depth:	5.80 m
Design draft:	4.30 m
Max draft:	4.90 m
Deadweight (at max draft):	1,603 t
Bollard pull:	.85 t
Gross tonnage:	2,014 t

CAPACITIES [@ 98% load capacity]

Deck area:	(33,00 x 13,00 m) 420 m ²
Deck cargo:	.800 mt
Fuel oil:	.607 m ³
Drill/water/ballast:	.302 m ³
Fresh water:	.544 m ³
Liquid mud/Brine :	.397 m ³
Dry bulk/cement:	.174 m ³
Foam:	.18 m ³
Rig chain / Mud:	.111 m ³

PROPULSION - MACHINERY

Main engines:	2 x 2,640 kW.
Propellers:	2 type CPP, dia=2,900 mm in nozzles
Rudders:	2 high lift flap type
Bow thrusters:	2 x 500 kW
Stern thruster:	1 x 500 kW
Auxiliary / Emergency generators:	2 x 440 kVA / 1 x 110 kVA

DECK EQUIPMENT

Towing /Anchor-handling electro-hydraulic high pressure winch:	
2 declutchable drums in waterfall arrangement each equipped with:	
- Drum size:	.9.00/2,090 mm dia. x 1,800 mm length
- Drum capacity:	.1,500 m of 2" steel wire
- Rated pull:	.150 t on 1 st. Layer at 0 - 8.40 m /min
- Brake holding load:	.225 t on 1 st layer
- Cable lifters:	.2 for 2 ^{1/2} " and 3" chains
Stern roller:	.1,500 mm dia. x 4,000 mm length
Storage reel:	.800/2,200 mm dia. X 1,500 mm length
- Capacity:	.1,500 m of 2" wire
Windlass:	.1
Tugger winchs:	.2 x 11 t pull
Capstans:	.2 x 10 t pull
Deck cargo crane:	.1.7 t @ 14 m

SAFETY EQUIPMENT

Fire Fighting (Fi-Fi I):	2 pumps of 1,500 m ³ /h , 2 monitors of 1,200 m ³ /h
Water spray protection.	MOB boat with davit
Life saving arrangement	Stand by rescue equipment

DELIVERY RATES

Fuel oil:	150 m ³ /h at 60 m
Fresh water:	150 m ³ /h at 70 m
Drill/ water/ballast:	150 m ³ /h at 70 m
Liquid mud:	2 x 150 m ³ /h at 70 m
Dry Bulk/Cement:	50 t/h at 60 m

Liquid mud tanks fitted with agitators and fixed washing system.

ACCOMMODATIONS

Accommodations for:	28 pers
Single cabins:	6
2 man cabins:	5
4 man cabins:	3

Mess / Day rooms, hospital, laundry, galley, stores, office.
Fully air conditioned.

SPEED / CONSUMPTION

Maximum speed (100%):	25.8 t/day @14 knots
Service speed (80%):	21.5 t/day @12 knots
Economic speed (50%):	12.9 t/day @ 9 knots

DYNAMIC POSITIONING SYSTEM (Class II)

ABS classed DP2 redundant positioning system comprising:	
- 2 gyrocompasses, 1 digital echo-sounder, 2 speed Log	
- 4 reference systems: 2 DGPS, 1 Fan beam, 1 Radar Scan	
- 1 independent joystick system,	
- Sensors and monitoring as per class II requirements.	

DP CAPABILITY PLOT

(All thrusters 100%)	
Max wind speed: 50 Kts	

ELECTRONICS - NAVIGATION

2 radars	
1 gyrocompass	
1 magnetic compass	
1 digital echo-sounder	
1 speed log	
1 autopilot system	
1 GPS	

ELECTRONICS - COMMUNICATION

1 radio system compliant with GMDSS A3	
1 VSAT, INMARSAT F, FFB 500	
2 VHF EPIRB	
Email / IP voice facilities	

CERTIFICATIONS

Registration:	St. Vincent & Grenadines
Year of Build:	2006
Builder:	Dayang Shipyard, China
Class:	Bureau Veritas
Class Notations	BV + A1, <input checked="" type="checkbox"/> Hull, <input checked="" type="checkbox"/> Mach, <input checked="" type="checkbox"/> Tug, Supply vessel, Unrestricted Navigation, Firefighting Ship 1 Water Spray, DYNPOS AM/AT-R (Class II), <input checked="" type="checkbox"/> AUT UMS

All particulars believed to be correct but not guaranteed



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General Arrangement Plan

