



TAN CANG OFFSHORE SERVICES JSC.

Vessel Specification



TC HA NOI

Technical Specification

Tug Vessel : 5,220 HP
 DP1, FiFi class 1
 Bollard Pull: 70 MT

“Our success is driven by the customers”

MAIN PARTICULARS

GENERAL	
Year of delivery	2009
Call sign / IMO	3WAO / 9560273
Place Built	Marco Polo Shipyard, Indonesia
Flag (Port of Registry)	Vietnam (Hai Phong)
Class/Notation	YR/LR. +1A 1 -Tug/Supply, FiFi-1, DPS-1
GRT/NRT	1712 T / 513 T
ACCOMODATION	
Cabins Layout	14 Crew berths
	12 Passenger berths
	26 Passenger berths
Hospital	Yes
All cabins fully air-conditioned & all c/w attached toilet (except 4 berth cabins)	

PRINCIPAL DIMENSIONS		CARGO CAPACITIES	
Length Overall	60.00 m	Deadweight	1776.9 T
Breadth Moulded	16.00 m	Deck Load	800 MT
Depth Moulded	6.00 m	Clear Deck Area	360 m2
Max Draft	5.10 m	Cargo Rail	2900mm
TANK CAPACITIES		DISCHARGING RATES	
Fuel Oil	500.0 m3	Fuel/Pump	100 m3/h@ 75m
Fresh Water	450.0 m3	Fresh Water/Pump	100 m3/h@ 75m
Drill Water	400.0 m3	Drill Water/Pump	100 m3/h@ 75m
Mud	235 m3 (total)	Liquid mud/Pump	60 m3/h@ 57m
Brine	235 m3 (total)	Brine/Pump	60 m3/h@ 57m
Dry Bulk / Cement	165 m3 in for tanks	Dry Bulk	30 ton/hr
	02 x 2 gredes sparation compressors		

Technical parameters are subject to change without notice

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www.tancangoffshore.com

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MACHINERIES

➔ PROPULSION SYSTEM

Main Engines	2 x MAK 6M25C@ 750RPM Total 5220 BHP
Primary Generators	2 x 370Kw - 440V- 60Hz- 3phases 02 x Diesel Engine CAT CI 8
Secondary Generators	2 x 750 Kw - 440V- 60Hz- 3 phases Shaft
Emergency Generators	1 x 98Kw - 440V- 601-lz- 3phases
Stern Thruster	1 x 515Kw CP rated 8T Tunnel thruster
Bow Thruster	1 x 515Kw CP rated 8T Tunnel thruster
Bollard Pull	70.23 MT
Propeller	Twin CPP
Rudder	Twin independent High lift

➔ DECK EQUIPMENT

Tow/AH winch	2 x 1000m x 58mm
Line Pull	150T pull, 200T break
Storage winch	1 x 1000m x 58mm
Crane	ST Knuckle Boom @ 8m radius
Anchors	2 x AC - 14 Stockless anchor each 2100KG
Stern Roller	5m x 1,8 m diam; 200 Ton SWL
Towing Pin	1 x type 130802 , SWL 160T
Karm Fork	1 x type 130802 , SWL 300T
Tugger winches	2 x 15T x 10m/min,
Capstan	2 x 5Tx 15/min

➔ SPEED/FUEL

Max Speed	13.8 knots
Cruising speed	12 knots x 14.95 ton/day
Economic speed	10 knots x 12,35 ton/dav

Standby (Generator only) 0.86 ton/day

➔ NAVIGATION AND COMMUNICATION EQUIPMENT

Radar	02
Gyro compass	02
Magnetic compass	01
Doppler Log	01
Autopilot	01
GPS	01
AIS	01
Anemometer	01
GMDSS A3 (full set)	01
Satellite Communication	01
BNWAS	01
CCTV System	01
Dynamic Positioning	DP-1

➔ FIRE FIGHTING EQUIPMENTS

FIFI System	External FiFi 1
F.S Fire suppression	CO2

➔ LIFE SAVING EQUIPMENTS

Fast Rescue Boat	15 persons
Life Rafts	As per SOLAS requirement
Life Jackets	As per SOLAS requirement

➔ ANTI POLLUTION EQUIPMENT

Water maker	
Anti pollution systems (with spray booms)	

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