



TAN CANG OFFSHORE SERVICES JSC.

Vessel Specification



TC LAM SON

Technical Specification

AHS Vessel : 7,180 HP
 DP2, FiFi class 1
 Bollard Pull: 81.33 MT

“Our success is driven by the customers”

MAIN PARTICULARS

GENERAL

Year of delivery	2007
IMO	9359856
Place Built	Indonesia
Flag (Port of Registry)	Vietnam
Class	VR, Lloyd's
Notation	100A1 AHTS, Fire-Fighting Ship 1 (3000m ³ /h) LMC, UMS, DP(AA)
GRT/NRT	1939/581 T

ACCOMODATION

Cabins Layout	14 cabins
	Total 59 berths
Hospital	1 x 1 berth cabin
All cabins fully air-conditioned & all c/w attached toilet (except 4 berth cabins)	

PRINCIPAL DIMENSIONS

Length Overall	67.80 m
Length B.P	60.75 m
Breadth Moulded	15.00 m
Depth Moulded	6.10 m
Max Draft	5.00 m

CAPACITIES

Deadweight	1,370 MT
Deak Cargo Cap	800 MT
Clear Deck Area	425 m ²
Deck Strength	7.5 T/m ²

CAPACITIES (CON'T)

Fuel Oil	610.0 m ³
Fresh Water	513.0 m ³
Drill Water	530.0 m ³
Mud	416 m ³
Brine	149 m ³
Foam / dispersant	15 m ³ each
Dry Bulk / Cement	170 m ³ in for tanks

DISCHARGING RATES

Drill Water/Pump	125 m ³ /h@ 75m
Fresh Water/Pump	125 m ³ /h@ 75m
Fuel/Pump	125 m ³ /h@ 75m
Liquid mud/Pump	100 m ³ /h@ 80m
Flow Meter	for FO, FW
Dry Bulk	5.6 bar

Technical parameters are subject to change without notice

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MACHINERIES

➔ PROPULSION SYSTEM

Main Engines	2 x MAK 8M2S x 3590 BHP A 750 rpm
Generators	2 x 1200 Kw Shaft generators @ 440 V 60 Hz
	2 x 463 Kw Diesel generators @ 440 V 60 Hz
	2 x 134 Kw Emer. generators @ 440 V 60 Hz
Stern Thruster	01 Kawasaki CPP, 400 Kw, 6 MT thrust
Bow Thruster	02 Kawasaki CPP, 400 Kw, 6 MT thrust
Bollard Pull	81.33 MT
Propulsion	2 x 2800mm ,4 blades CPP in fixed nozzles
Deck Crane	Telescopic SWL 3 Ton @ 15m Knuckle SWL 20 Ton A 9m

➔ DECK EQUIPMENT

Tow/AH winch	01 x Plimsoll PC-AHTS/WF-150S1, 150MT
Main Tow Wire	1000 m x 58 mm
AH Wire	150 m x 58 mm
Spare Wire	1000 m x 58 mm
Line Pull	150T Pull, 200T Brake
Stern Roller	5m x 1,8 m diam; 200 Ton SWL
Towing pin	2 x 200 MT, hydraulic
Shark Jaw	1 set of 200 MT SWL
Tugger winches	2 x 10 MT electric — hydraulic
Capstan	2 x 5MT electric — hydraulic
J hook	01 x SWL 110 tons
Grap hook	01 x SWL 110 tons

➔ SPEED/FUEL

Max Speed	13.8 knots
Fuel Oil Type	MGO

➔ DP/JOYSTICK CONTROL

Converteam ADP-21, dual redundant dynamic positioning system (AUTR/DPII) with DP references as follows:
2 x DGPS/DGNSS L1L2 - Seastar 8200XP
1 x CYSCAN laser reference system (heated version)
2 x Ship's wideband transponders type Sonardyne DPT 8124

➔ NAVIGATION AND COMMUNICATION EQUIPMENT

Fleet Broadband	01 x Sailor/FBB 250
HF/FM/Telex	01 x Furuno/Felcom 15
Inmarsat-C	01 x JRC/JUE85 02 x JRC/JHS-32B
VHF fixed	01 x JRC/NCR333
Navtex	01 x JRC/JMA-5310
Radar ARPA	01 x JRC/NWZ-4570
DGPS	01 x JRC 3FE-582
Echo Sounder	01 x JRC/JHS 182
AIS	1 set

➔ FIRE FIGHTING EQUIPMENTS

FIFI System	FiFi 1
Fire Pump	2 x 1650 m3/hr
Fire Monitors	2 x 1200 m3/hr
Spray Booms	2 x 6.0 m/Fixed nozzle

➔ LIFE SAVING EQUIPMENTS

Rescue Boat	01 x Zodiac/Ribo 420/60HP- 6 persons
Life Rafts	06 x CHF-A-20/20 man each
Life Buoys	08
Life Jackets	69

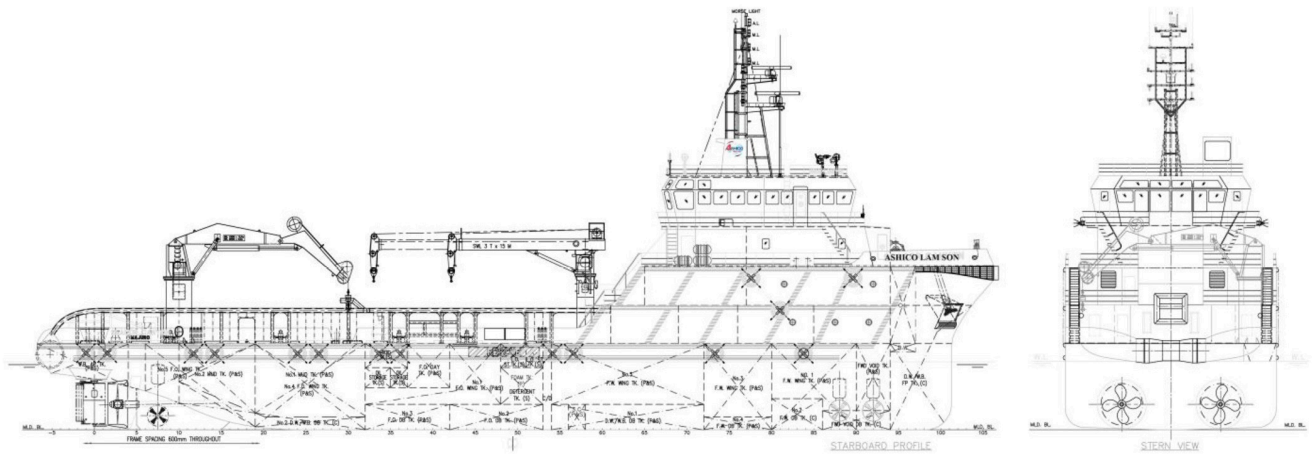
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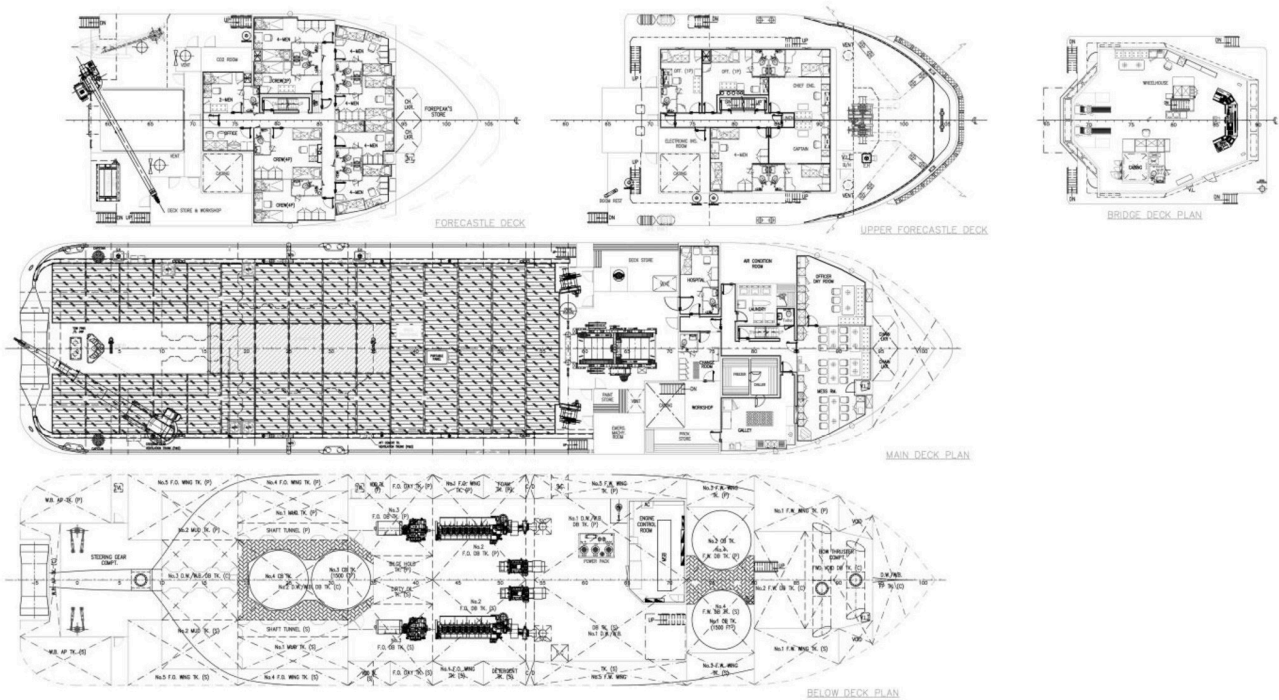
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GENERAL ARRANGEMENT



SIDE VIEW



TOP VIEW DECK LEVEL

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