



AZERBAIJAN  
CASPIAN SHIPPING  
COMPANY



# SHUVALAN

V E S S E L   S P E C I F I C A T I O N S



6,000 BHP / 75 TBP / DPS-1 / FiFi Class 1



# Vessel Specifications

## Dimensions

Length overall, m	60,00
Length between perpendicular, m	58,74
Breadth overall, m	16,00
Hull height, m	6
Net Tonnage, t	529
Gross tonnage, t	1763

## Capacities

Fresh Water, t, m3	311 (100%)
Fuel tank, m3	510 (100%)
Drill water, m3	751 (100%)
Mud tank, m3	238.3 (100%)
Cement tank, m3	170 (4x1500 ft3)
Freezer / Chiller, m3	10/10
Foam / Detergent, m3	17.7/17.7
Deck cargo capacity, t	550
Deck strength, ton/ m2	5.0
Clear deck area, m2	360
Endurance	30 days

## Speed/Fuel

Max speed	13 knots / 24m3 / 24 hrs @100% MCR
Economic speed	10 knots / 16m3 / 24 hrs @85 % MCR
Quality of fuel	MGO

## General Data

Port of registry / Call sign	Baku / 4JRZ
Purpose Of The Ship	AHTS (Anchor Handling Towing and Supply) and FiFi Class 1 Vessel
Flag	Azerbaijan
Year built / builder	2008 Batamec, Indonesia

## Machinery and Propulsion

Main engines	2 x 2206 kw (3000 bhp) @ 750 rpm Niiigata 6MG 28 HLX
Generators	2x 370 kw @ 1800 rpm / 440V / 3Ph / 60HzCaterpillar 3408DITA
Emergency Generator	1 x 99 kw @ 1800 rpm / 440V / 3Ph / 60HzCaterpillar C4.4
Shaft Alternator	2x 750 kw @ 1800 rpm / 450V / 3Ph / 60HzLeroy Somer LSA M50.1M6-4P
Propellers	2 x CPP in Kort Nozzles; Kamome
Bow thruster	1 x 620 kw engine-driven Schottel STT
tunnel type (CPP); 8T thrust	
Stern thruster	1 x 450 kw electric-driven Schottel STT
tunnel type (CPP); 6T thrust	
Steering Gear	2 x Hatlapa; 3T; 45 deg
Rudders	2 x high performance streamline Becker

## Special Equipment

Bollard Pull	75.44 MT date 20.12.2008 (cert N YY183494)/50.4 ton 24.07.2021
Anchor Windlass	1 x electro-hydraulic Plimsoll PC-HAW/GG-34
Drum	
Gypsies	Nilsuit' for 38 mm (Ø) chains rated pull 10 mt @ 15 m/min
Warping drum	400 mm (dia) x 450 mm (L) rated pull 5 mt @ 15 m/min
Bow Anchors	2 x 1440 kg high holding power anchors
Chains	300 m (L) x 38 mm (Ø) Grade U2 (each side)
Capstan	2 x 5 mt @ 15 m/min electro-hydraulic; Plimsoll PC-HVC-05/380

Tugger Winch	2 x 10 mt @ 15 m/min electro-hydraulic; Plimsoll PC-HUW-10/380 Drum
Deck Crane	Capacity: 175 m (L) x 22 mm (dia) SWR 1 x 3T @ 1.7m Plimsoll A-807TF-35 Knuckle-boom type
Towing/AH Winch	1x electro-hydraulic double drum Plimsoll PC-AHTW/WF-150/200
Upper Drum Cap (Tow)	800 m (L) x 52 mm (Ø) SWR
Lower Drum Cap (AH)	800 m (L) x 52 mm (Ø) SWR
Line Pull	150 mt @ 6 mm/min at 1st layer 71 mt @ 12 m/min at 1st layer 50 mt @ 18 m/min @ 1st layer 25 mt @ 36 m/min @ 1st layer
Stall Pull	165 mt @ 1st layer
Brake Capacity	200 mt static @ 1st layer;
Gypsies	Nil
Warping Drums	Nil
Stern Roller	3.50 m (L) x 1.50 m (dia) Plimsoll; SWL 180 mt
Shark Jaw	1 x set electro-hydraulic Plimsoll; SWL 300 mt
Tow Pins	2 x electro-hydraulic Plimsoll; SWL 200 mt
Rope Reel	1 x electro-hydraulic Plimsoll PC-HSW/SD-10, Drum Capacity: 800 m (L) x 52 mm (Ø) SWR
DP / Joystick Control	Converteam ADP-2 system
FiFi 1 System / Oil Pollution Control	With pump capacity of 2 x 1650 m3 / hour at 140m head, Class FiFi 1 and Monitor - 2 x 1200 m3 / hour

## Bunkering and Discharge Flow Rate

Fuel	1 x 100 m3/hr @ 60m head; Pumpquip-ABA
Fresh Water	1 x 100 m3/hr @ 60m head; Pumpquip-Desmi
Drill water	1 x 100 m3/hr @ 60m head; Pumpquip-Desmi
Liquid mud	2 x 60 m3/hr @ 75m head (SG 2.5); Pumpquip-Mission Mangum
Bilge / Ballast	1 x 60 m3/hr @ 60m head; Pumpquip-Desmi
GS/Fire Pump	1 x 60 m3/hr @ 60m head; Pumpquip-Desmi
Bulk Cement	2 x 12 m3/min @ 80 psi air compressors system fitted with dryers

## Accommodation

Berth total	26 (4x1, 5x2 ,3x4)
Cabins total	12
Hospital	1

## Navigation Equipment

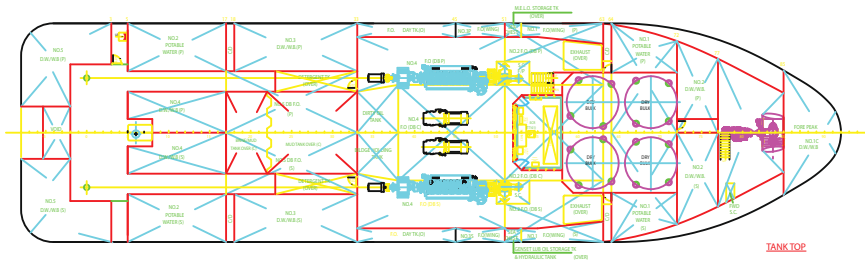
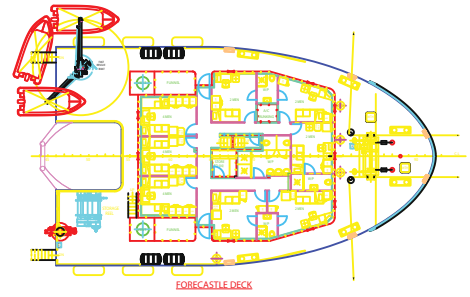
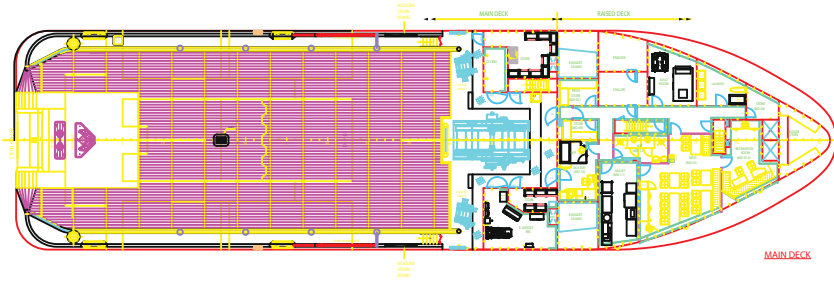
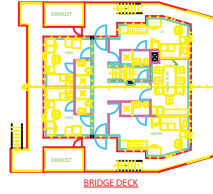
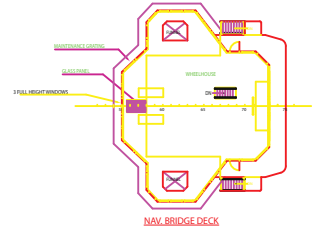
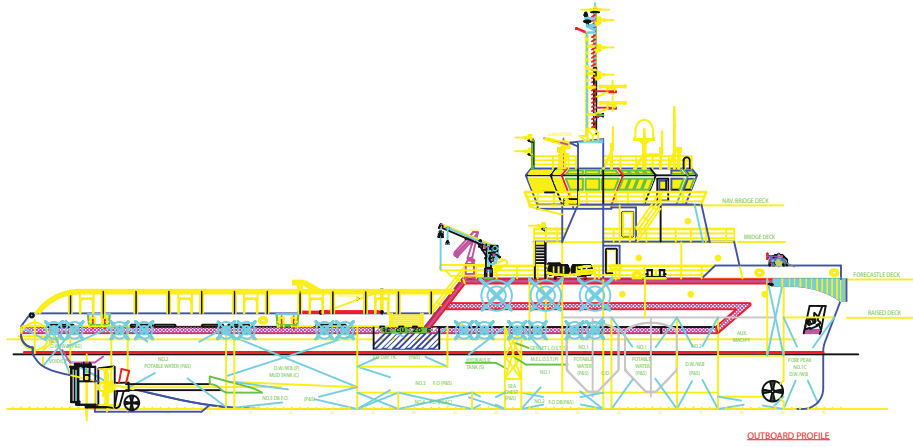
GMDSS	Sailor (Area 3) comprising
SSB	Thrane & Thrane DSC-500W
Inmarsat C	Furuno Felcom 15 & Felcom 15 SSAS
VHF Radio	Thrane & Thrane DSC-25W
Navtex Receiver	1 x Mc Murdo ICS Nav-7 (518 kHz)
SART	2 x McMurdo S4 (9 GHz)
EPIRB	1 x McMurdo E5
Portable VHF Radios	3 x Motorola GP328
Radar	1 x Furuno 1 x Koden
Echo Sounder	1 x Furuno FE-800
DGPS	1 x Fugro 9200-IPDU
Gyrocompass	1 x Anschutz Standard 22
Autopilot	1 x Anschutz Nautopilot NP60
Magnetic Compass	1 x Lilley & Gillie MK2000
Weather Fax	-----
Speed Log	1 x Furuno Doppler DS-80
Wind Indicator	1 x RM Young 05103
AIS	SAAB R4 Navigation system
DP	Marine Technology Bridge Mate DP1 / ABS
Joystic	Marine Technology / ABS

Draft,m	Deadweight,t
2,37	162
3,10	253,0
3,20	323,0
3,30	393,0
3,40	463,0
3,50	533,0
3,60	603,0
3,70	673,0
3,80	743,0
3,90	813,0
4,00	883,0



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