

Caspian Power

72.5 M - 12069 BHP - Anchor Handling Tug Supply Vessel

Vessel Specifications

TOPAZ
MARINE



Vessel Specifications

General

Class	ABS +A1 Towing Vessel, FFC 1, Offshore Support Vessel AH, (E), AMS, DPS-2
Year of build	2010
Place of build	Fujian Southeast Shipyard, China
Flag	Azerbaijan
Port of registry	Baku
Call sign	4JOB
IMO number	9534236

Dimensions

Length overall	72.5 m
Length between perpendicular	64.8 m
Breadth moulded	17 m
Depth moulded	7.5 m
Draft summer / scantling	6 m / 6.6 m
Deadweight	2946.9 t
Net registered tonnage	876 t
Gross tonnage	2921 t

Machinery

Main engines	2 x Bergen 4500 kw (9000 kw)
Main generators (shaft driven)	2 x 1750 kw / 440 v / 3 ph / 60 hz, Make: Rolls-Royce
Main generators (diesel driven)	2 x 590 kw / 450 v / 3 ph / 60 hz, Make: Caterpillar 3412
Emergency generator	98.6 kw / 440 v / 3 ph / 60 hz, Make: Caterpillar C4.4
Bow thruster	1 x CPP tunnel 11 t thrust, 1 x retractable azimuth 13.5 t thrust Make: Ulstein / Kamewa
Stern thruster	1 x CPP tunnel 11 t thrust, Make: Ulstein / Kamewa
Propulsion	2 x CPP (in nozzles)
Rudders	Becker high lift S-A 050 / 253 F.2
Steering gear	Nufoss

Deck Crane

Manufacturer	TTS Bohai Mach, GPT 150
SWL and radius	7.5 t x 5 m, 5 t x 15 m
Location	Port shoulder

Ancillary equipment

Sewage treatment plant	Super Trident ST4A Hamworthy / UK
Oily water separator	Ocean Clean, MEPC 107
Liquid mud agitator	Power & Motion Ind.

Performance

Maximum speed / consumption	14 knots / 28 t
Economical speed / consumption	10 knots / 14 t
Consumption at 100% MCR	28 t
Bollard pull	152 t

Capacities

Fuel oil	1150 m ³
Potable water	760 m ³
Ballast / drill water	600 m ³
Liquid mud / base oil	750 m ³
Brine	285 m ³ (in rig chain lockers)
Dry bulk tanks	10800 ft ³
Deck strength	5.5 t per m ²
Clear deck area m ²	420 m ²
Clear deck area max L X B	28 m x 15 m

Transfer Rates

Fuel	150 m ³
Freshwater	150 m ³
Drill water / ballast water	150 m ³
Liquid mud / brine	150 m ³
Bulk cement	80 t per hr
Bilge / ballast	150 m ³
GS / fire pump	65 m ³

Vessel Specifications

Towing and anchor handling equipment

Towing / AH winch	Brattvaag 350T double drum
Wire capacity	3500 m x 76 mm
Rated pull (1 st layer)	350 t
Brake holding	450 t 1st wrap
Wire rope storage reel	2 x 3500 m x 76 mm
Rig chain locker no. x capacity	2 x 143 m
Stern roller	SWL 525 t / 5.5 m x 2.5 m
Shark jaws	Karm Fork
Towing pins	2 sets
Tugger winch	2 x 15 t @ 21 m per min
Bow fendering	No

Mooring Equipment

Anchor windlass	Brattvaag / Rolls-Royce 25 t
Bow anchors	2 x HHP
Chains	46 mm 2a
Capstan	2 x 10 t

Communication and navigation equipment

GMDSS station	Area 3, Furuno RC-1800T 250T
Satcom and type	Thrane & Thrane FBB-150 Mini M
SSB	1 x Furuno 250w HF / MF FS-2570
AIS	Furuno FA-150
EPIRB	Mc Murdo E5
Radar transponder	Mc Murdo S4 Rescue SART
Two-way portable VHF / UHF	ICOM IC-M72
Navtex receiver	Furuno NX-700B
DP system	Converteam DPS-2
Radar 1	2 x Furuno, FAR 2117 x-band 96nm ARPA
Radar 2	Furuno
Gyro compass	2 x Anshultz standard 22
Auto pilot	1 x Anshultz standard 22
GPS receiver	Furuno GPR-150
Echo sounder	1 x Furuno FE-700
Doppler speed log	1 x Furuno DS-80
Anemometer	Yes

Fire fighting and anti-pollution equipment

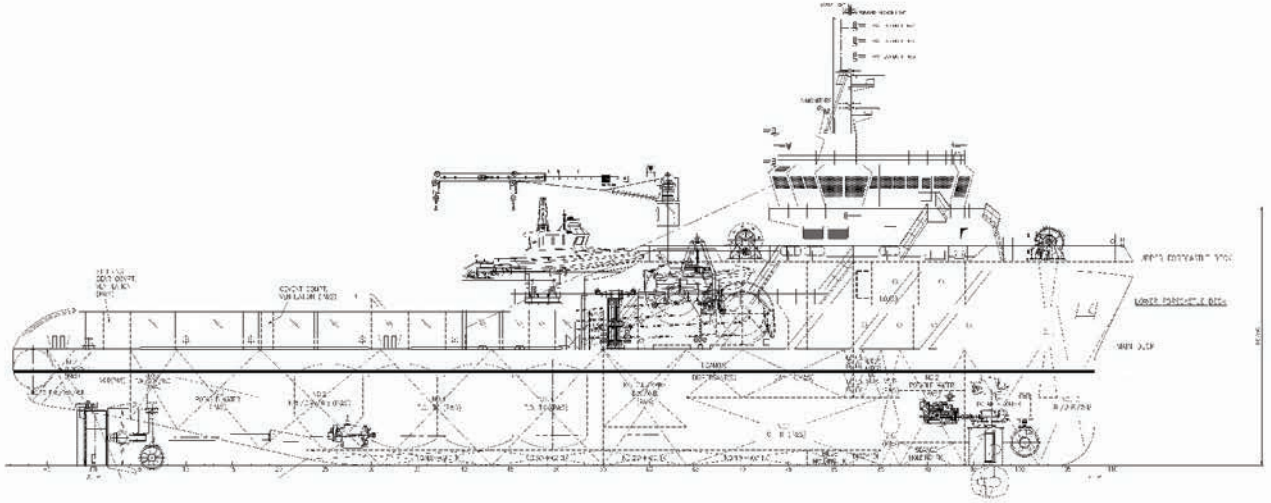
FIFI system	FiFi 1
Fire pump	2 x 1650 m per hr @ 14 bar
Monitors	2 x 1200 m per hr water, 300 m per hr foam
Drenching system	Yes
Foam storage tank	22 m ³
Oil dispersant system	Yes
Oil dispersant storage tank	22 m ³
Emergency fire pump	75 m ³ x 60 m
Locker with fireman's outfit	1 locker / 6 x firemen outfits
Portable FIFI appliance	51 x fire extinguishers
CO ₂ system for engine room	Yes

Safety equipment

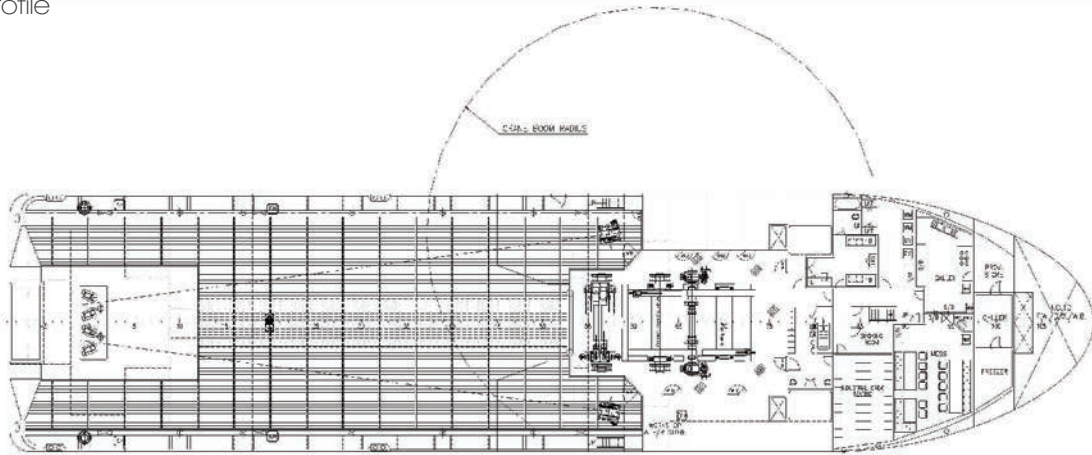
Life rafts	6 x 25 men
Fast rescue boat	1 x Seabear 23 MK II
Rescue boat davit	MacGregor
Life buoys	10
Life jackets	100
Immersion suits	46
Embarkation ladders	3

Accommodation

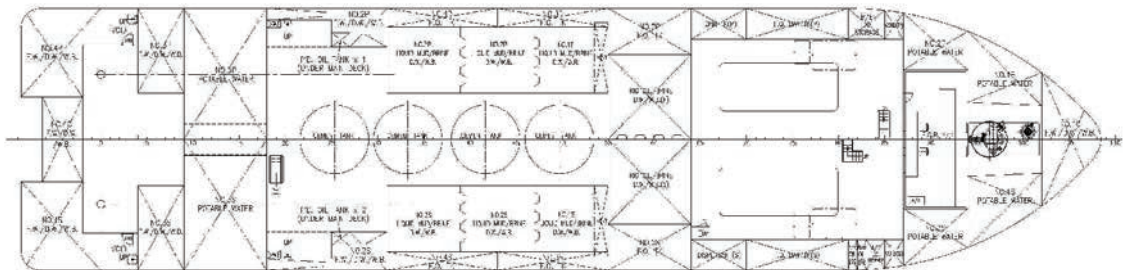
Max per LSA	48
1 berth cabins	4
2 berth cabins	3
4 berth cabins	10
Sick bay /	Yes



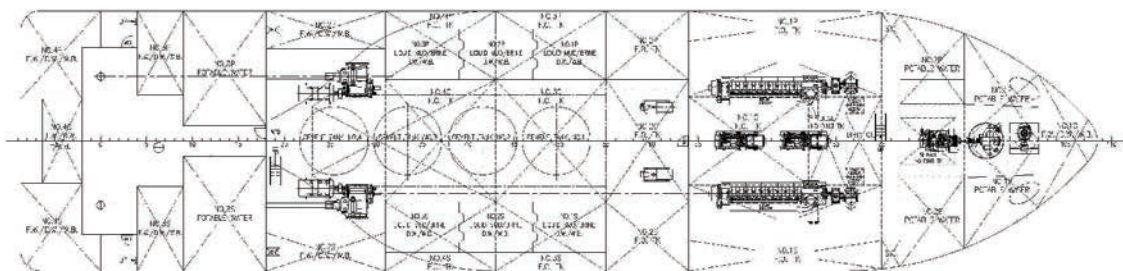
Profile



Main deck

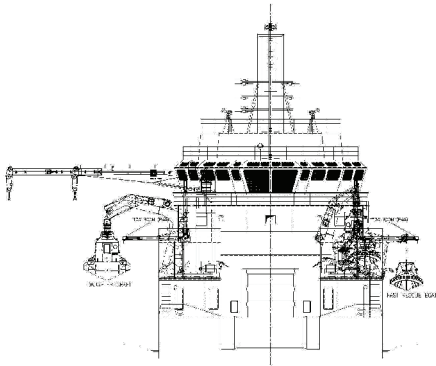


Tween deck

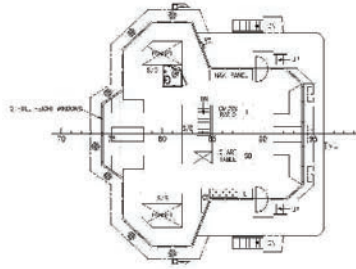


Bottom

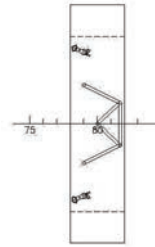
GA Specifications



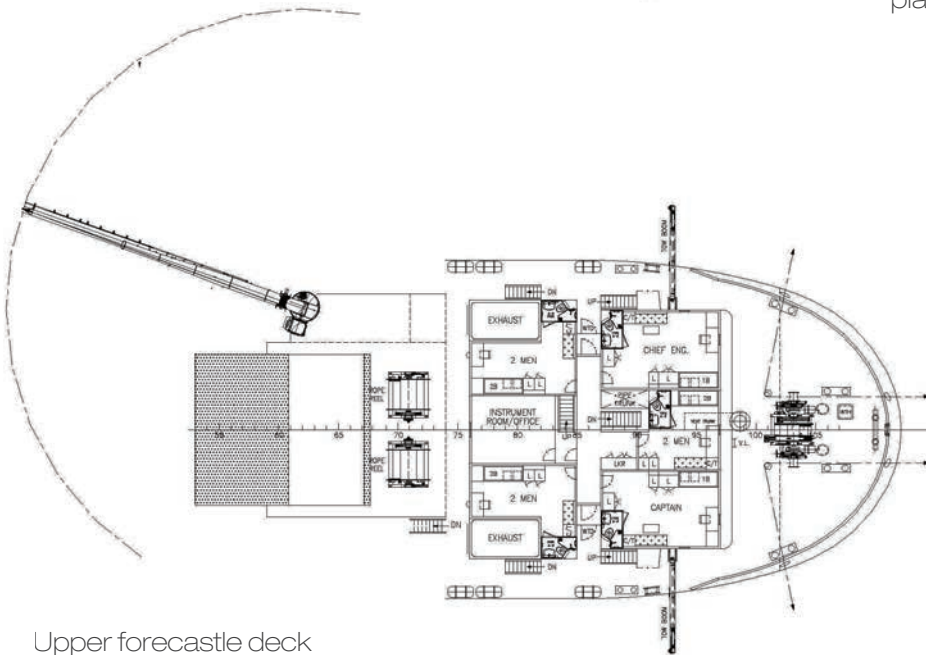
Stern view



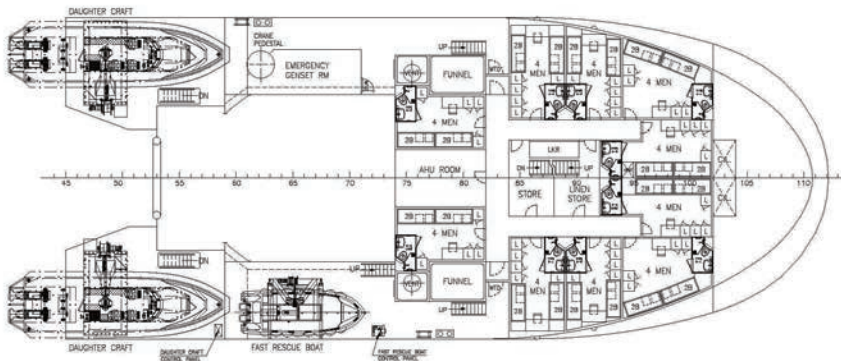
Wheelhouse deck



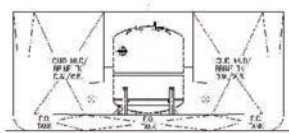
Fire monitor platform



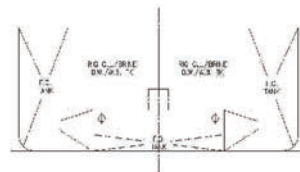
Upper forecastle deck



Lower forecastle deck



Section at cement tank



Section at rig cl

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