Topaz Salalah

61 M - 7200 BHP - DP 1 - FiFi 1 - AHTSV

Vessel Specifications

TOPAZ MARINE

Vessel Specifications

Registration	
Year built / Builder	February 2000 - Adyard Abu Dhabi
Flag	Marshall Islands
Class	DNV, 1A1 + Firefighter 1, DYNPOS AUT, DK (+), HL(2.0)
Managers	Topaz Marine
Dimensions	
Length overall	61.00 m
Breadth moulded	15.20 m
Depth moulded	6.40 m
Draft loaded	5.35 m
Deadweight	1746 m/t
Registered tonnage	Gross 1700 t / Net 510 t
Machinery	
Main engines	7200 bhp – 2 x 3600 bhp @ 1000 rpm Wartsila 8L26
Propellers	2 x Controllable Pitch Propellers in Kort Nozzles
Bow thruster	1 x 425 KW, Electric driven Tunnel thruster, 6.5 tons thrust Make: Brunvoll, type – FU45 LTC 1375
Stern thruster	1 x 425 KW, Electric driven Tunnel thruster, 6.5 tons thrust Make: Brunvoll, type – FU45 LTC 1375
Main generators	2 x 284 kW, 440V / 60Hz / 3ph Make: Cummins, type - 6 NTA855-D(M)
Emergency generator	1 x 160kW, 440V / 60Hz / 3ph Make: Cummins, type – 6 CTAB.3-G
Shaft generator	2 x 552 kW, 440V / 60Hz / 3ph Make: Leroy Somer, type – LSA M49.1S4
Sewagetreatment plant	1 x ST2A Super Trident - 26 man per day 1 x MSD-III-20, HMSA - 20 man per day
Oily water separator	1.0 m^3 / hr with 15 ppm alarm, Make: Hamworthy
Moon tubes	1 x 700 mm and 1 x 400 mm
DP Equipment	DP-1 Class NMS-6000, L3 Dynamic Positioning and Control Systems
Reference Systems:	2 X DGPS Seastar 9200-G2, 1 x Cyscan radar system
Capacities	
Fuel oil	860 m^3
Fresh / Drill water	786 m^3
Liquid mud	284 m^3
Bulk cement tanks	185 m^3
Refrigerator / Freezer	2 x 280 cu.ft (8 m^3)
Deck cargo capacity	525 tonnes at 5 mt / m^2
Clear deck area	345 m^2
Transfer rates	
Fuel oil	2 x 100 cu.m / hr @ 75m head
Fresh water	2 x 100 cu.m / hr @ 75m head
Dry bulk	2 x 100 tons / hr @ 80 psi
Liquid mud	2 x 100 cu.m / hr @ 75m head
Fuel meter	1 each for fuel and fresh water
Performance	
Maximum Speed	13 knots
Service Speed	10 knots
Bollard Pull	85 tonnes

Vessel Specifications

Towing / anchor handling / mooring

Anchor handling towing winch	1 x Double Drum waterfall type, electro-hydraulic winch, 120 tonnes line pull and 185 tonnes brake holding capacity Make: Plimsoll, monitored by CCTV for towing winch operation from bridge
Tow wire	1000 m x 60 mm
Work wire	150 m x 40 mm
Tugger winch	2 x 10 T hydraulic, Make: Plimsoll
Anchor windlass	1 x 6.1 T @ 10 m / min, Make: Plimsoll
Anchor chain	2 x 495 x 38 mm, grade U2
Anchors	2 x 2300 kg Stockless bow anchors
Stern roller	1 x 1.8 mtrs (Diameter) x 5 mtrs (Length), 250 tons SWL
Shark jaws	1 x 300 T SWL hydraulic, Make: Plimsoll
Capstans	2 x 5 tons @ 18 m / min, electrohydraulic, Make: Plimsoll
Towing pins	2 x 300 tonnes SWL, Make: Plimsoll

Navigation and communication

GMDSS	Sailor TT-3606 E
Radar (2) ARPA	1 x Decca Litton (350) - Bridge Master E, 1 x Northrop GRUMMAN,
Sperry	Marine - Visionmaster FT
GPS plotter	2 x PC Maritime Navmaster ECDIS
AIS	1 x SAAB R4 Navigation system
Auto pilot	1 x Anschutz - Pilotstar D
Navtex receiver	1 x JRC-NCR300A
Gyro compass	1 x Anschutz Standard 22, 1 x Anschutz Standard 20
Magnetic compass	1 x Cassens Plath - Type 11 reflector compass
Mini 'M'	Thrane & Thrane
MF / HF transceiver / SSB radio	Sailor CU 5100 - Thrane & Thrane
Echosounder	1 x JMC Japan - F 3000 W
VHF (3)	2 x Sailor DSC RT 5022, 1 x Sailor RT 2048
SART	1 x Serpe IESM Rescuer, 1 x Jotron - Tron SART 20
Anemometer	2 x Young wind tracker - 06206
EPIRB	1 x Kannad 406 WH

Safety & firefighting - FIFI 1 DNV Class Notification

FIFI system	FIFI Class 1
Fire monitors	2 x water / foam monitor 1200 cu.m / hr remote controlled from bridge
Fire pump (2)	2 x 1500 cu.m / hr, Make: Nijhuis
Emergency fire pump	30m^3 / hr @ 60 m head
Fire extinguishers	CO2/4; Foam/9; DP/13
Fixed CO_2	Engine room flooding system
Fast rescue craft	13 man capacity
Life rafts	4 x 25 man; 2 x 20 man

Accomodation (42 bunks)

2 x 1 berth cabins	= 2 berths
4 x 2 berth cabins	= 8 berths
8 x 4 berth cabins	= 32 berths
Client suite and office	= 1 berth
1 x Hospital	= 1 berth

Conference area and Survey desk on the bridge, All cabins fully air conditioned and c/w attached toilets.

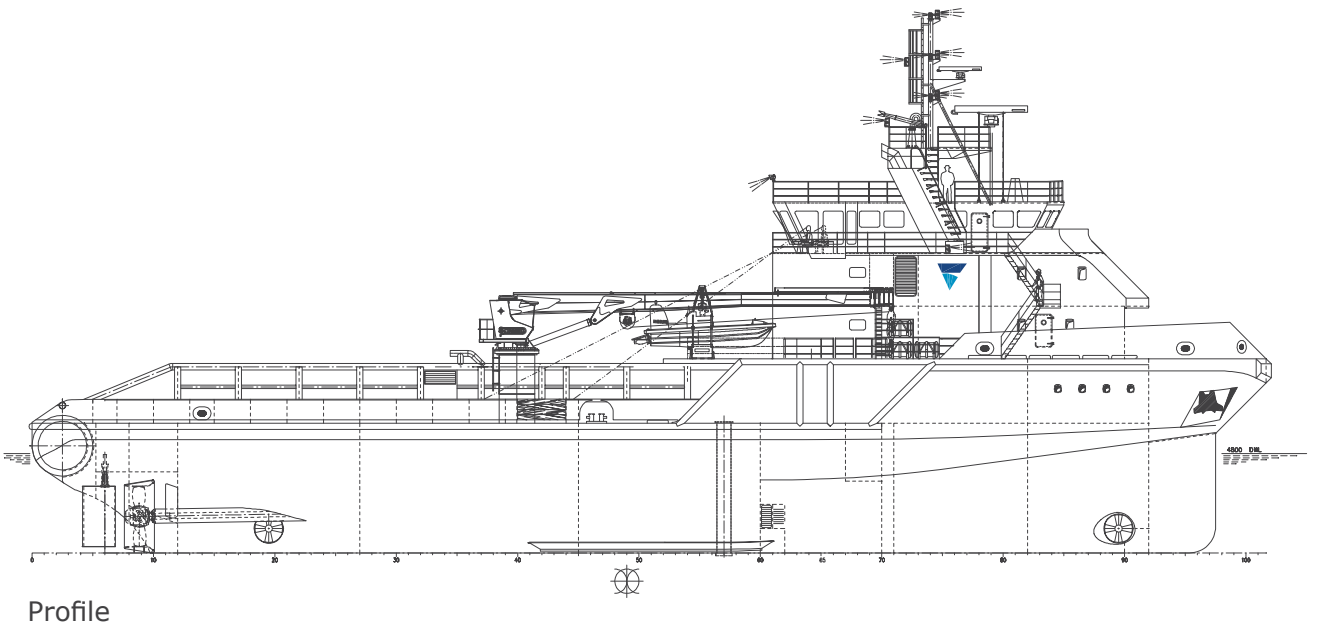
Last revision Jan 2014

Tank Capacities

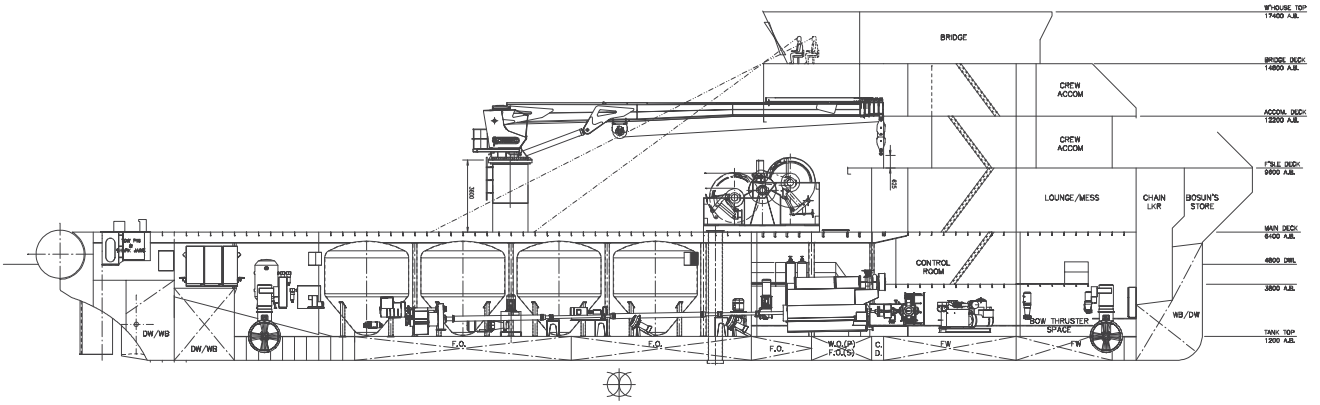
	SG	Fuel oil	Pot water	Drill water	Ballast water	Liquid mud	Brine M3	Base oil	Methanol	Dry bulk	Oil recovery
	M3	0,850	1,000	1,000	1,025	2,500	2,500	0,830	1,120	2,400	1,000
F.W.Day Tank Port	8.30		8.30								
F.W.Day Tank Starboard	8.30		8.30								
F.W Tank No:1C (Forepeak)	15.70		15.70								
F.W.Tank No:2P	63.80		63.80								
F.W.Tank No:2S	63.80		63.80								
F.W Tank No:3P	88.50		88.50								
F.W Tank No:3S	88.50		88.50								
F.W Tank No:7C	20.30		20.30								
F.W Tank No:7P	155.40		155.40								
F.W Tank No:7S	155.40		155.40								
F.W Tank No:8P	39.70		39.70								
F.W Tank No:8S	39.70		39.70								
F.W Tank No:9P	19.40		19.40								
F.W Tank No:9S	19.40		19.40								
D.O Day Tank Port	11.90	10.12									
D.O Day Tank Starboard	11.90	10.12									
D.O Settling Tank (Port)	30.40	25.84									
D.O Tank No:4P	66.70	56.70									
D.O Tank No:4S	86.60	73.60									
D.O Tank No:5C	77.90	66.20									
D.O Tank No:5P	67.30	57.20									
D.O Tank No:5S	67.30	57.20									
D.O Tank No:6C	86.30	73.36									
D.O Tank No:6P	171.20	145.40									
D.O Tank No:6S	171.20	145.40									
D.O Overflow Tank	9.80	8.30									
Emergency Generator D.O Day Tank	1.20	1.00									
Main Engine Oil Storage Tank	4.90							4.00			
Reduction Gear Oil Storage Tank	2.50							3.00			
A.E Oil Storage Tank	2.50							3.00			
Dry Cement Tank No:1	46.00									111.00	
Dry Cement Tank No:2	46.00									111.00	
Dry Cement Tank No:3	46.00									111.00	
Dry Cement Tank No:4	46.00									111.00	
Liquid Mud/Brine Tank No:1	72.00					178.00					
Liquid Mud/Brine Tank No:2	72.00					178.00					
Liquid Mud/Brine Tank No:3	72.00					178.00					
Liquid Mud/Brine Tank No:4	72.00					178.00					
Weight in Tons		**731**	**786**			**712**		**10**		**444**	
Volume in m³		**860**	**786**			**284**		**9**		**185**	

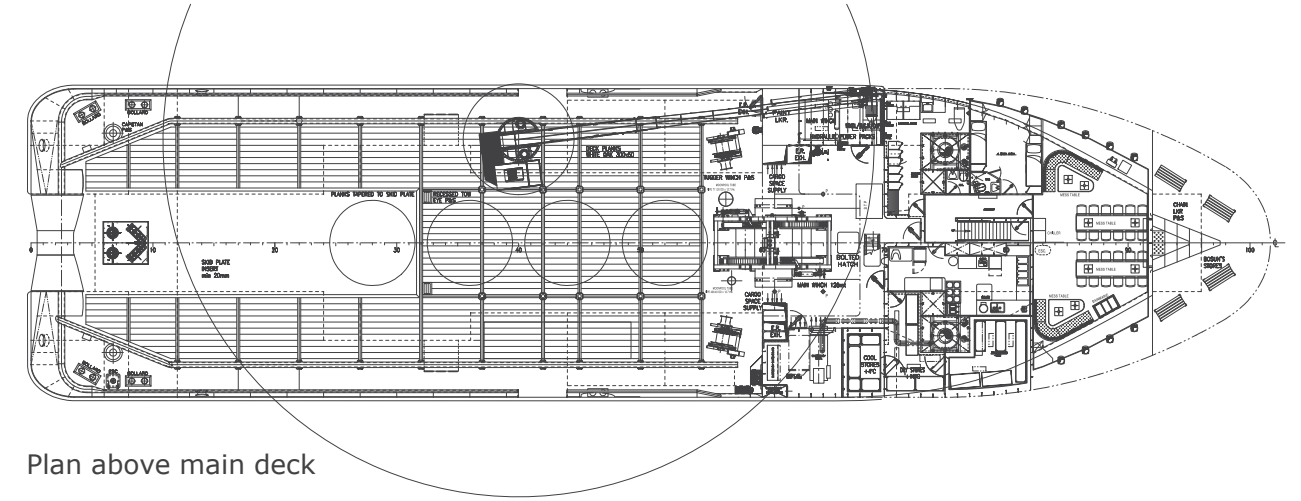
All figures shown are based on tank volume at 100% filling.

GA Specifications



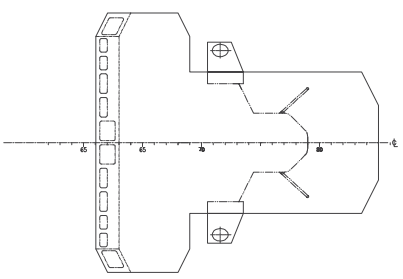
Profile



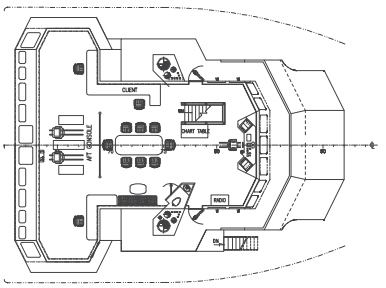


Plan above main deck

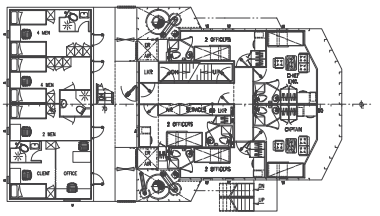
GA Specifications



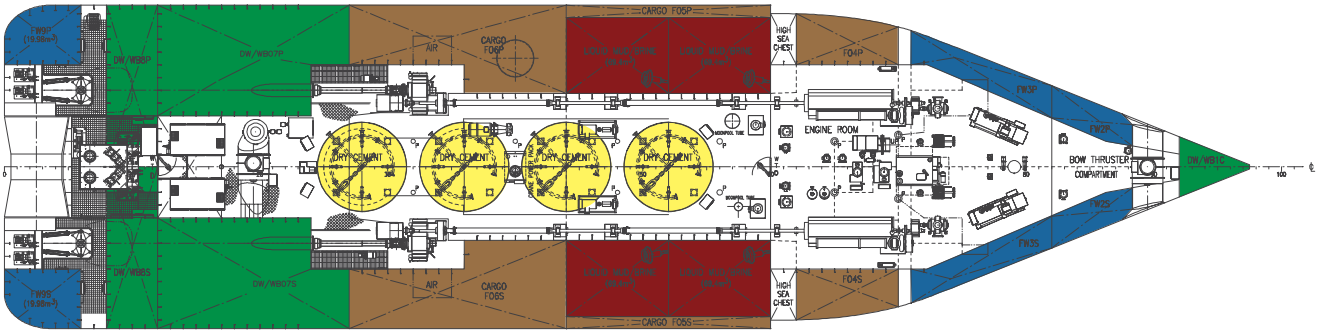
Plan above wheelhouse top and monitor platform



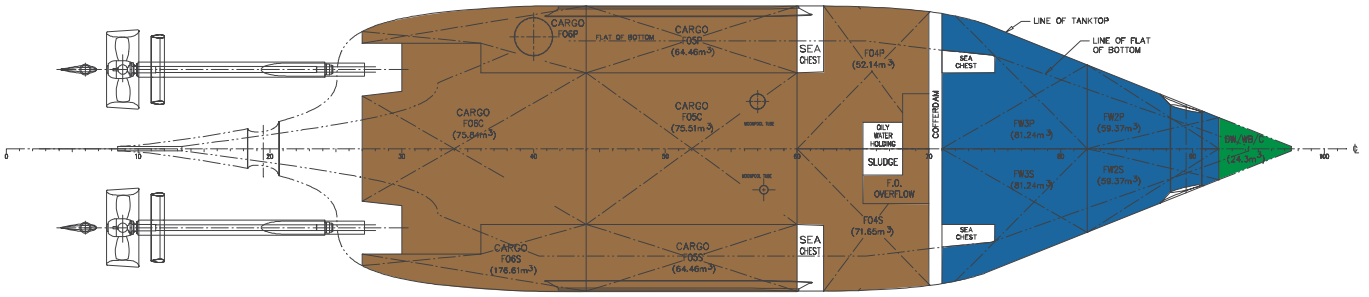
Plan above bridge deck



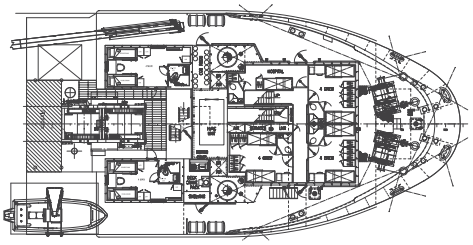
Plan above accommodation deck



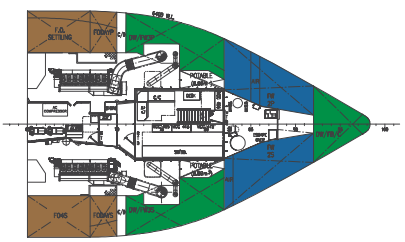
Plan above tank tops



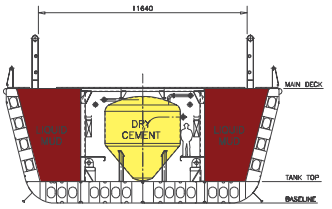
Plan below tank tops



Plan above foc's'le deck



Plan above control room flat



FR 52 looking forward

CONTACT
Commercial Department
Topaz Energy and Marine
Level 58, Almas Tower, Jumeirah Lakes Towers
P.O. Box 282800, Dubai, UAE
Tel +971 4 440 47 00
Fax +971 4 440 47 99
Email commercial.topaz@topazworld.com

TOPAZ MARINE CASPIAN

BUE Caspian Limited
5th Floor, ISR Plaza Business Centre
69 Nizami Street, Baku
AZ1005 Azerbaijan
Tel +994 124 97 87 67
Fax +994 124 97 25 96
Email commercial.caspian@topaz-marine.com

BUE Kazakhstan Limited
2nd Floor, Building 80, Micro Region 14
P.O. Box 130000, Aktau
Republic of Kazakhstan
Tel +7 7292 42 82 72
Fax +7 7292 42 82 77
Email commercial.caspian@topaz-marine.com

BUE Marine Turkmenistan Limited
Bitarap Turkmenistan Shayoly 231,
Oguzkent Hotel Business Centre,
Office 401, Ashgabat, Turkmenistan
Tel +993 12 44 99 38
Fax +993 12 44 99 39
Email commercial.caspian@topaz-marine.com

Topaz Astrakhan Limited
7, Turgeneva str, 2nd Floor
Tel +7 8512 23 80 72
Fax +7 8512 23 80 72
Email commercial.caspian@topaz-marine.com

TOPAZ MARINE MENA

Doha Marine Services WWL
P.O. Box 37102, 4th Floor, Faisaliyah Building
Suhaim Bin Hamad Street, Al Saad Area
Doha, State of Qatar
Tel +974 4410 48 00
Fax +974 4447 94 73
Email commercial.mena@topaz-marine.com

Topaz Marine Saudi Arabia Co Ltd.
P.O. Box 4905, Al Jarbou Tower, 9th Floor, Office 902
Dhahran Street
Al Khobar 31952, Kingdom of Saudi Arabia
Tel +966 13 835 36 30
Fax +966 13 833 41 58
Email commercial.mena@topaz-marine.com

TOPAZ MARINE AFRICA

Topaz Marine Angola
138 Ilha do Cabo
Avenida Murtala Mohammed
Luanda, Angola
Tel +244 222 7250 55
Email commercial.africa@topaz-marine.com

Topaz Marine Nigeria
3rd Floor, Atlantic House
121 Louis Solomon Close, Ahmadu Bello Way
Victoria Island, Lagos, Nigeria
Email commercial.africa@topaz-marine.com

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