

Caspian Reliance

64.35 M - 7681 BHP - DP2 - AHTSV

Vessel Specifications

TOPAZ
MARINE



Vessel Specifications

Registration

Flag	Azerbaijan
Class	RINA C+ TUG; SUPPLY VESSEL; FIRE FIGHTING SHIP 1 – WATER SPRAY
Additional Notation	+DMS +DYNAPOS-AM, +AUT-UMS; Inwater survey; MON-SHAFT_
Year of Build	2010
Builder	Union Naval Valencia S.A. – Valencia, Spain
Port of Registry	Baku
IMO No.	9518127

Dimensions

Length overall	64.35 m
Beam	15 m
Moulded depth	6 m
Summer draft	5.1 m
Lightship draft	3 m approx.
Freeboard at summer draft	859 mm
Gross tonnage	1701
Net tonnage	510
Deadweight	1903 t

Capacities

Fuel oil	619 m3
Potable water	515 m3
Drill water	417 m3
Cement tank	4 x 46.8m3
Liquid mud/ brine	315 m3
Deck area	420 m2
Deck strength	5 t per m2 / 7.5 t per m2 on steel deck
Water maker	Aquamar AQE 15D 12t/d

Machinery

Main engines	2 x GE 7FDM16 2864 kW (total 7681 BHP)
Auxiliary generators	2 x Volvo Penta 370 kW
Shaft alternators	2 x LEROY SOMER 1800 Kva
Emergency generator / Harbour set	1 x 115 kW, 131 kVa
Propellers	2 CPP
Design bollard pull	101.4 t (trials)
Bow thruster	2 x 515 kW Tunnel
Stern thruster	1 x 515 kW Tunnel

Towing and anchor handling equipment

Towing winch	200 t pull, 300 t static
Capacity	1180 m 76 mm wire
Working winches	350 t pull
Rope reels	1 x 2150 m 80 mm wire / rope 1 x 800 m 76 mm wire
Chain lockers	2 x chain lockers 285 m ³ total
Stern roller	300 t SWL L3500 mm D2400 mm self lubricating
Tugger winch	2 x 15 / tonnes @ 0-21 m per min
Capstans	10 m / tones @ 0-25 m per min
Sharks jaws	Plimsoll Smith Berger 300 t 38-76 mm
Tow pins	2 sets SWL 300 t
Karm Forks	1 set Karm Fork 300 t
Deck crane	SORMEC M40 2 T @ 12 m

Auxiliaries

Diesel alternators	2 x 590 kW
Emergency diesel alternator	1 x 95 kW

Vessel Specifications

Speed / consumption

Maximum	14 knots
Economical speed	10 knots

Navigation and communication equipment

Radars	2 x Furuno (X band and S Band)
Echo sounder	1 x Furuno FE-700
Gyro compass	3 x C. Plath Navigat X Mk1
Auto pilot	Anschutz Nautopilot 2015
Doppler log	Furuno DS-80
GPS	Furuno GPR-150
Weather fax	Furuno FAX-480
AIS	Furuno FA-150
MF transceiver	Sailor BLU MF/HF 250W
GMDSS	A3 Sailor System 5000
Satcomm	Sailor TT-3000E Mini C
Email	Via Azercell: Baku.Reliance@topaz-marine.com
PA System	ZENITEL Public Address throughout vessel

DP system

DP	Kongsberg DP2
GYRO	3 X Navigat X MK1
DGPS	1 x Seatex DGPS116 & 1 x Seatex DGPS 200
Reference system	Kongsberg CJoy
Guidance system	Cyscan MK5

Fire fighting equipment

Fire pump	Class 1 with water spray 2 x 1600 m ³ per hr @ 140 mlc
Monitors	2 x 1200 m ³ per hr 120 m throw + 45 m height

Life saving appliances

Life rafts	4 x 25 man
Life jackets	30 + 3 child
Immersion suits	29
Fast rescue craft	1 Norsafe Waterjet Diesel 6 persons 85HP
FRC davit	MacGregor SP2259 SWL 1.5 t
LSA certification	25 persons

Accommodation

Cabins	6 x 1 man, 5 x 2 man, 2 x 4 man
Hospital	1 man
Total bunks	25 men

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