


Name	GLADIS	
Type	Ro-Ro - container vessel	
Class	Russian Maritime Register of Shipping	
	KM □ 2 □ 2	
Build	1977, in St. Peterburg, Russia	
Flag	St. Vincent	
Port of registry	Kingstown	
Call signal	J8B2864	
IMO number	7730018	
LOA	139.63 m	
Length between PP	127.70 m	
Breadth	19.24 m	
Depth to upper deck	13.10 m	
GT / NT	8,545 / 2,563	
Deadweight	4,600 mt	
Displacement	Light	Loaded
	6,000 mt	10,600 mt
Loaded Draft	6.62 m	
Navigation range	12,000 nautical miles	
Crew	18 persons	
Drivers	12 persons	
Summary lane meters	Tanktop Deck	290 lm
	Main Deck	430 lm
	Tweendeck	620 lm
	Weather Deck	380 lm
	Total	1,720 lm
Lane width	Tanktop Deck	2.8 m

	Main Deck	2.8 m	
	Weather Deck	2.8 m	
Free height	Tanktop Deck	4.2 m	
	Main Deck	5.0 m (or 2.2m - when Tweendeck Platform is in use)	
Carrying capacity	Tanktop Deck	Uniform load - 12.5 mt/m ²	
	- 900 m ²	Axle load - 59 mt	
		Mafi 20' - 34 units or	
		Mafi 40' - 16 units or	
		Road trailers (13.6m) - 13 units or	
		Cars - 80 units or	
		TEU - 39 units	
	Main Deck	Uniform load - 2.7 mt/m ²	
	- 1,250 m ²	Axle load - 59 mt	
		Mafi 20' - 51 units or	
		Mafi 40' - 26 units or	
		Road trailers (L=13.6m) - 26 units or	
		Cars - 123 units or	
		TEU - 123 units	
	Tweendeck	Uniform load - 0.25 mt/m ²	
	- 1,230 m ²	Cars - 117 units	
	Weather Deck	Uniform load - 2.4 mt/m ²	
	- 1,130 m ²	Axle load - 59 mt	
		Mafi 20' - 40 units or	
		Mafi 40' - 22 units or	
		Road trailers (13.6m) - 17 units or	
		Cars - 102 units or	
		TEU - 77 units	
Doors / ramps	At the fore of the vessel is located a slewable external ramp with following characteristics:		
	Length	22 + 4.5 (flaps) m	
	Width	7.95 m	
	Angle of ramp rotation	up to 45 degrees each side	
	Free drive space	Width	Hight
		5.0 m	4.5 m
	Axle load	60 mt	
	At the fore of the vessel is located a inner ramp between Main Deck and Tweendeck Platform / Weather Deck with following characteristics:		
	Length	18.0 / 28.0 m	
	Width	6.22 m	
	Free drive space	Width	Hight
		5.0 m	4.5 m
Lifting platform	Between Main Deck and Tanktop Deck		
	Length	15.8 m	
	Width	6.2 m	
	Axle load	60 mt	
	Max load	36 mt	

	Time of the operation	Up	Down
Holds ventilation	between decks	Appr. 180 sec	Appr. 180 sec
Tank capacities	Mechanical	20 air changes per hour	
	Ballast water	2,250 m ³	
	Fuel oil	717 m ³	
	Diesel oil	180 m ³	
	Lubrication oil	85 m ³	
	Fresh water	387 m ³	
Service speed	15.7 knots		
Daily fuel consumption	Main engines	(IFO-180) - 18.2 mt	
	Water boilers	(Gasoil) - 1.0 mt (in port)	
	Aux. Engine	(Gasoil) - 2.5 mt (in port) / 3.0 mt (at sea)	
Daily oil consumption	Main engine	CLO - 50M	Total -
		OE - HT30	0.1 mt
	Aux. Engine	DL - MP30	
Daily water	Fresh water	App. 7.0 mt	
Radio and navigation facilities	Radar plants	Atlas-Electrn; Furuno; Nayada	
	Sattelite navigation	MX-200 GPS Navigator	
	VHF radio	Sailor Compact	
	Communication	Saturn	
	Auto pilot	Aist - 1-10	
	Echosounder	NEL - M3B	
	Doppler log	IL - 2M	
Heeling system	2 pump - 315 m ³		
Main engines	Make	□□□ (BMZ) - Russia	
	Type	5 □ KPH 62/140 - 2	
	Number	1	
	Output	6,100 BHP	
Auxiliary engines	Make	□/□ -5809 - Russia	
	Type	8□H25/34-2	
	Number	3	
	Output	400 kW	
Emergency aux. engine	Type	1 □ 6 □□	
	Number	1	
	Output	100 kW	
Alternators	Type	□□□ 14 -29 - 12	
	Power rating	400 kVA, cosφ=0.8	
	Voltage	400 V; phases - 3; 50 HZ; 500 RPM	
	Number	3	
Emergency alternator	Type	□□□□ 92-4	
	Power rating	100 kVA, cosφ=0.8	
	Voltage	400 V; phases - 3; 50 HZ; 1,500 RPM	
	Number	1	
Propellers	Number	1	
	Diameter	4,500 mm	
Rudders	Number	1	

Steering gear	Type	P 16
	Electr. Power	17 kW
	Power units	2
	Pump type	□□ 10
Bow thruster	Type	□□ - 185
	Max power	2 x 185 kW
	Number	2
	Propeller diameter	1,250 mm
Life boats	2 units for 37 persons each	
Bow anchors	Numbers	2
	Weight	4,000 kg
Stern anchors	Numbers	2
	Weight	1,700 kg
Bow anchor chains	Diameter	57 mm
	Length (total)	525 m
	Numbers	2
Stern anchor chains	Length (total)	250 m
	Numbers	2
Fire protection	CO2	2 btls x 24 kg for Engine Room
	Refrigerant system	2 btls x 1,470 kg for Engine Room, Tanktop Deck & Main Deck
	Water fire protecting system	Yes