

EMERALD

548,718 cbft / 6,244 sqm / 6,650 pallets



General

Built	January-2000	International	GT 10,532.00	NT 5,406.00
Flag	Liberia	Panama Canal		9,084.00
Port of Registry	Monrovia	Suez Canal		5,406.00
Callsign	D5WC7			
IMO/Lloyds nr	9202857		Draft	DWAT
Length over all [m]	151.99	Tropical	9.67	12,734
Beam [m]	23.00	Summer	9.67	12,734
Depth [m]	13.00	Winter	9.67	12,734
Bowthruster(s)	-			
		Permanent Ballast		696

Reefer

Holds	4
Hatches	4
Compartments	16
Minimum Deckheight [m]	2.20 (excl local areas)
Allowable weight of forklift including cargo	maximum 6 mt (Forklift to be equipped with minimum 4 non hard rubber airtyres)
Temperature zones	8
Cooling sections	1A 1BCD 2AB 2CD 3AB 3CD 4AB 4CD
Temperature range [dC]	-30/+15
Air circulations [/hr]	90
Air renewals [/hr]	4
USDA equipped	Yes, certificate expired
Controlled Atmosphere	CA pre-piped
Modified Atmosphere	No equipment on board



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Classification Details

Classification Society	Bureau Veritas (BV)
Main Class symbols	I, +HULL, +MACH
Service Notations	+Refrigerated cargo ship, Equiped for carriage of containers
Navigation Notations	Unrestricted Navigation
Additional Class Notations	+REF-CARGO-AIRCONT
Machinery	+MACH
Equivalent Finnish/Swedish	
Ice Strengthening	-

Reefer Compartment Capacity Breakdown

	Hold 1		Hold 2		Hold 3		Hold 4		Total	
	Cbft	Sqm	Cbft	Sqm	Cbft	Sqm	Cbft	Sqm	Cbft	Sqm
A	45,347	489.21	43,758	462.52	45,055	480.07	44,964	478.39	179,124	1,910.19
B	25,886	307.47	37,499	435.37	40,029	480.74	39,529	474.12	142,943	1,697.70
C	20,176	215.05	30,996	380.35	38,722	475.65	35,026	431.78	124,920	1,502.83
D	8,608	106.83	26,242	283.40	37,203	433.70	29,678	308.87	101,731	1,132.80
Total	100,017	1,118.56	138,495	1,561.64	161,009	1,870.16	149,197	1,693.16	548,718	6,243.52

Hold 1- 4 Legend

Non insulated Deck, air passes through (aka Spar Deck)

Insulated, air tight Deck or Tanktop

Non Insulated, air tight Deck

Hatch sizes

	Hold 1	Hold 2	Hold 3	Hold 4
	l x b	l x b	l x b	l x b
Deck	13.00 x 7.85	13.00 x 7.85	13.00 x 7.85	13.00 x 7.85
A	13.00 x 7.85	13.00 x 7.85	13.00 x 7.85	13.00 x 7.85
B	9.00 x 5.80	13.00 x 7.85	13.00 x 7.85	13.00 x 7.85
C	6.00 x 4.20	13.00 x 7.85	13.00 x 7.85	13.00 x 7.85

Container Carrying Capacity	Max FEU's	Add. TEU's	Max TEU's	Add. FEU's	
On Weather Deck and Hatches					
Empty Positions	Standard	106	0	212	0
Max Stackweight	Standard	106	0	212	0
Max Stackweight - Self-sustained	Standard	106	0	212	0
Reefer Hold					
Empty Positions	Standard	36	0	72	0
Max Stackweight	Standard	36	0	72	0
Max Stackweight - Self-sustained	Standard	36	0	72	0
Empty Positions	High Cube	36	0	72	0
Max Stackweight - Self-sustained	High Cube	36	0	72	0

'Max Stackweight' and 'Max Stackweight - Self-sustained' are the number of laden containers that can be loaded basis the maximum stackweight, calculating 26 mt gross for a laden FEU and 14 mt gross for a laden TEU

Above figures are as per vessel's technical layout. Actual container intake is subject to master's approval and depending on stability, stackweight and visibility.



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Standard Voyage Container Carrying Capacity

Nr of High Cube (9.5') Reefers	96
of which Selfsustained	96

'Standard Voyage' = voyage from Panama Canal to Rotterdam, with a full cargo of bananas in the holds and departing with full bunker tanks. Containers on this voyage are considered to weigh 26 mt gross.

Reefer Plugs

Nr. of electrical Reefer Plugs	106
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Cargo Gear

2 Cranes x 36.0 mt
2 Cranes x 8.0 mt



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Speed & Consumption

Ballast				Draft condition	Forward: 5.50	Aft: 5.50
<u>Speed</u>	<u>ME HFO</u>	<u>ME MGO</u>	<u>Slow Steaming</u>			
18.00	25.00	0.00	No			
21.00	40.00	0.00	No			
Ave. aux. cons. excl. reefer containers						
	<u>A/E's</u>	<u>Boiler</u>				
HFO	2.50	0.00				
MGO	0.00	0.00				
Banana Laden				Draft condition	Forward: 5.50 - 7.30	Aft: 5.50 - 7.30
<u>Speed</u>	<u>ME HFO</u>	<u>ME MGO</u>	<u>Slow Steaming</u>			
17.50	27.00	0.00	No			
20.50	42.00	0.00	No			
Ave. aux. cons. excl. reefer containers						
	<u>A/E's</u>	<u>Boiler</u>				
HFO	5.50	0.00				
MGO	0.00	0.00				
Banana Laden + Containers				Draft condition	Forward: 7.30 - 8.40	Aft: 7.30 - 8.40
<u>Speed</u>	<u>ME HFO</u>	<u>ME MGO</u>	<u>Slow Steaming</u>			
17.00	28.00	0.00	No			
20.00	42.00	0.00	No			
Ave. aux. cons. excl. reefer containers						
	<u>A/E's</u>	<u>Boiler</u>				
HFO	5.50	0.00				
MGO	0.00	0.00				
Frozen				Draft condition	Forward: 8.40 - 10.00	Aft: 8.40 - 10.00
<u>Speed</u>	<u>ME HFO</u>	<u>ME MGO</u>	<u>Slow Steaming</u>			
17.50	28.00	0.00	No			
20.50	42.00	0.00	No			
Ave. aux. cons. excl. reefer containers						
	<u>A/E's</u>	<u>Boiler</u>				
HFO	4.50	0.00				
MGO	0.00	0.00				
General Cargo				Draft condition	Forward: 5.50 - 7.30	Aft: 5.50 - 7.30
<u>Speed</u>	<u>ME HFO</u>	<u>ME MGO</u>	<u>Slow Steaming</u>			
17.50	27.00	0.00	No			
20.50	42.00	0.00	No			
Ave. aux. cons. excl. reefer containers						
	<u>A/E's</u>	<u>Boiler</u>				
HFO	2.50	0.00				
MGO	0.00	0.00				
In Port						
	Ave. aux. cons. excl. cargo			Reefer Plant		
	<u>A/E's</u>	<u>Boiler</u>		<u>A/E's</u>		
HFO	2.00	1.00	+	3.00		
MGO	0.00	0.00		0.00		



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- All speeds are 'about', all consumptions are 'about', basis clean hull, clean propeller and deep (minimum 7 x deepest draft), currentless water/sea with a temperature of maximum 28 degree Celcius.
- Descriptions are given basis maximum Beaufort 4, maximum 2 meters combined swell and wave height.
- Additional MGO may be used for starting/stopping engines and/or manoeuvring and/or in narrow and/or restricted waters and/or in extreme weather conditions.
- All auxiliary consumptions are based on maintaining cargo temperatures, during reduction period higher consumptions may be recorded.
- All descriptions exclude consumption for carried laden reefer containers. Depending on the make and/or type of container, maintenance state of the container, commodity in the container, ambient temperature, use of water cooling, stowage position: as indication an average additional fuel consumption of about 30 kg/container/24hrs when maintaining temperatures to be taken into account.
- Port consumptions are averages for vessel lying alongside berth. Manoeuvring consumptions are excluded.
- Auxiliary consumption up to 13 mt/day with all generators fully loaded.
- All Speeds are in knots and all consumptions are in metric tons per 24 hours.
- International and/or local regulations, such as but not limited to ECA's, may require use of other fuel grades than specified.
- Conditions are based on sailing with even keel, unless stated otherwise. Significant trim, especially large negative trim, may have negative impact on the performance.
- All consumption figures are based on ISO 8217 (latest revision) specification fuels with following minimum caloric values:
HFO: 40.600 kJ/kg
MGO 42.700 kJ/kg

Bunker Tank Capacities

	<u>Cbm (100%)</u>	<u>Cbm at max filling level*</u>	<u>mt**</u>
ULS	355	302	299
VLS	1,363	1,145	1,134
Total bunker capacity for RMG380 (IFO380)	1,718	1,446	1,433
ULS	104	88	76
Total bunker capacity for DMA (MGO)	104	88	76

*) Vessel shall not mix bunkers from different bunkerings in 1 bunker tank. This may reduce the actual bunker capacity.

**) Capacity in mt serve as indication only. Actual capacity in mt depending on the specific gravity and temperature of the supplied bunkers.

Vessel to be solely supplied with fuels as per ISO 8217:2010 or any subsequent amendment thereof. All supplied fuels shall be suitable to enable main propulsion and auxiliary machinery to operate efficiently and without harmful effects and in line with any national and/or international requirements. Fuels to be mineral based products and shall not contain waste lubricants (ULO), chemicals or any other harmful substances and shall be of homogenous and stable nature. Charterers to buy and arrange bunkers only from qualified suppliers and/or from majors and carry out their own quality checks as deemed necessary for their control.

Charterers warrant that whenever bunkers are ordered for the vessel, the order not to put a lien on the vessel and explicitly request "The Products shall not include waste chemicals, waste lubricants and/or other non-fuel components."

BIMCO Bunker Fuel Sulphur Content clause for Time Charter parties 2004 to apply.

If vessel is redelivered in an ECA area, Charterers warrant that vessel will be redelivered with sufficient bunkers suitable for consumption as per the requirements of the relevant ECA area to reach a port or place where suitable bunkers may be supplied.

Vessel participates in fuel testing program. Samples are taken during each fuel from each supplied grade. Costs involved to be equally shared between Owners and Charterers. Vessel shall not consume any supplied fuel without having received full fuel analysis report confirming the fuel's quality.

It is Charterers obligation to make sure that fuels with sulphur content higher than 0.5% are either consumed or removed from the vessel at his cost prior 01 January 2020.



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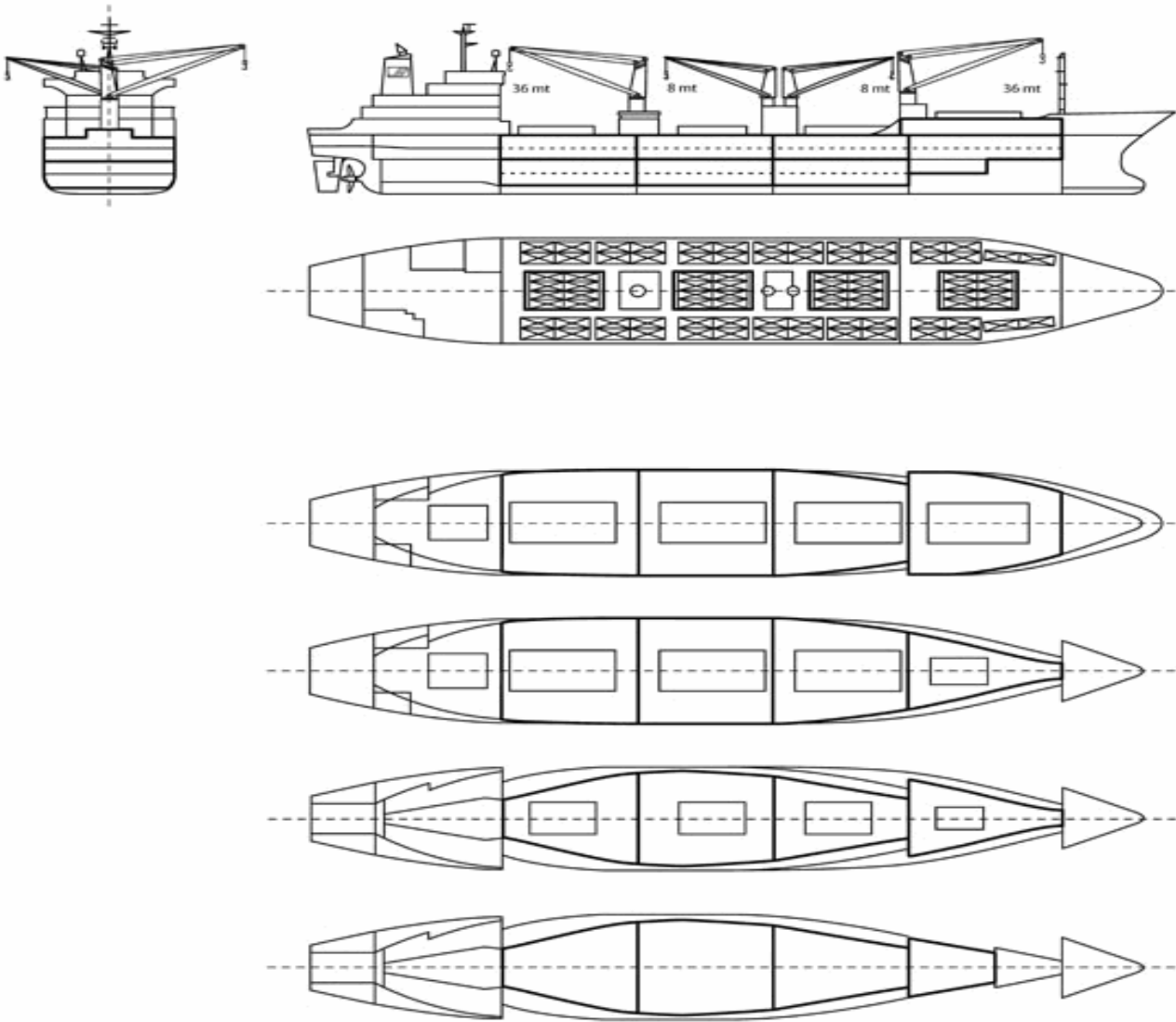
Communication Details

Communication type	System	Communication number / Comments
Mail	E-Mail	emerald@safesatnet.com
Phone	Fleet Broadband	+870 773 239 061
Phone	Mobile Phone	+49 408 740 71 24
Phone	Vsat	+1 505 295 02 71
Fax	Fleet Broadband	+870 783 158 847
Telex	Satcom-C	+580 463 729 859
Telex	Satcom-C	+580 463 729 861
Telex	Satcom-C	+580 463 729 860



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General Remarks

- Pallet Intake figures are indication only. The figures are based on a stowage factor of 1.32 pallet/sqm in reefer holds, full load of reefer containers based on the standard voyage with 20 pallets in each container

