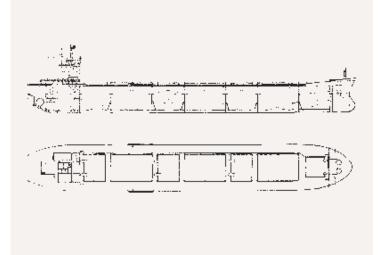
Bulk / Container Carrier Bulk & MULTIPURPOS

70,940 DWT





Builder / Yard No.: Shipyard 3. MAJ / 604 Name: m/s CAST CARIBOU

Owner / Flag: Cast Container Ship Ltd. / Barbados

Sister vessels: 605, 619, 621 Designed by: Shipyard 3. MAJ Delivered: 1981

The vessel is designed for unrestricted class notation suitable to carry grain cargo, ore cargo and containers in holds and on upper deck.

Propelling machinery, accommodation for a complement of 36 persons and navigation spaces are located aft. The hull is divided into seven cargo holds, hull structure laid out for heavy cargoes, such as ore and in holds No. 2, 4, 6 containers.

Classification: DNV; 1:1A1, Bulk/Container Carrier, EO, Ice Class C, HC, with notation: Holds 2, 4, 6 may be empty

	000.00
Lenght over all	233.93 m
Length btw perp.	225.00 m
Breadth moulded	32.20 m
Depth moulded	18.59 m
Draught design	12.83 m
Draught scantling	13.48 m
Deadweight, at draught 12.83 m	66,490 t
Deadweight, at draught 13.48 m	70,940 t
Gross tonnage	40,003

Capacities

Cargo holds capacities (grain)	84,895 m
Container (20' x 8' x 8'6''):	
holds (2, 4, 6)	861 TEI
hatch covers and upper deck	605 TEI
Total	1 466 TFI

Provisions

Heavy fuel oil	2,029 m ³
Diesel fuel oil	262 m ³
Lubrication oil	104 m ³
Fresh water	483 m³

Ballast water 35,441 m³ HFO consumption of M.E. 44 t / 24 hours Crew complement 36

Cargo equipment

Hatch covers:

No. 1 12,438 x 13,460 m No. 2, 4 & 6 29,038 x 18,480 m No. 3, 5 & 7 14,938 x 18,480 m Covers on hatches No. 1, 3, 5 & 7 folding type

Covers on the hatches No. 2, 4 & 6 piggy back type.

Steam plant

- One boiler, oil fired, 6.5 bar, cap. 2 t/h steam.
- One exhaust gas boiler, 6.5 bar, cap. 1.5 t/h steam.

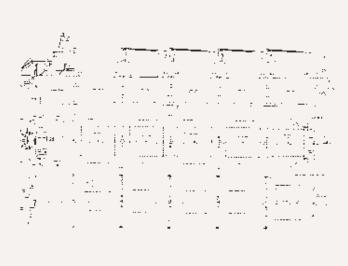
Auxiliary engines plant

- Two el. gen. sets, 60 cycles, 600 kVA D.M. driven each.
- One el. gen. set, 60 cycles, 360 kVA D.M. driven.
- One emergency generator / 60 cycles, 150 kVA, D.M. driven.

Handymax Bulk Carrier

51,000 DWT





Builder / Yard No.: Shipyard BRODOSPLIT / 422
Name: m/s EQUINOX VOYAGER

Owner / Flag: Equinox Voyager Ltd / Cayman Islands

Sister vessels: 421, 423

Designed by: Shipyard Brodosplit Delivered: 2002, 2003

Single screw diesel engine driven Bulk Carrier with bulbous bow transom stern and forecastle. Living quarters including navigation bridge, engine room with fuel oil tanks on both sides located aft. Double bottom / top side tanks and peak tanks intended for segregated ballast. Cargo space divided into five (5) cargo holds. Hull structure made of mild and higher tensile steel.

Classification: American Bureau of Shipping

+1A1 (E) Bulk Carrier, SH, +AMS, +ACCU, ESP, STRENGTHENED FOR THE CARRIAGE OF HEAVY CARGOES - HOLD N°2 AND N°4 MY BE EMPTY, RES, GRAB (30 tons), UWILD

Main dimensions

Capacities (100%)

Cargo holds	64,935 ı
Ballast tanks	16,970 ı
Heavy fuel oil	2,120 ı
Diesel	299 ו
Fresh drinking and feed water	265 ı

Painting

Cargo holds Epoxy (250 my)
Cargo hold No 3 Coal tar epoxy (300 my)
Under water hull and boot topping Coal tar epoxy + SPC (250 my + 450 my)
Open deck and exposed superstructure Epoxy (250 my)

Cargo equipment

 $\begin{array}{lll} \text{Cargo hatches} & 20.375 \text{ m x } 17.8 \text{ m} \\ \text{(weathertight, hydraulic folding)} & 20.375 \text{ m x } 17.8 \text{ m} \\ \text{Cargo hatch No 1} & 18.745 \text{ m x } 16.2 \text{ m} \\ \text{Cargo gears} & 4 \text{ x } 35 \text{ t SWL} \\ \text{outreach} & 27 \text{ m} \end{array}$

Auxiliary engines plant

Main diesel-threalternators sets 3x 680 kW Emergency diesel-alternator set 1 x 175 kW

Heating plant

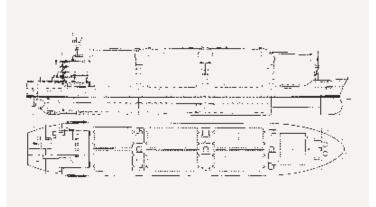
Composite boilers 1 x 1.5/1.0 t/h saturated steam at 6 bar G

Multipurpose Cargo Vessel

BULK & MULTIPURPOS

22.271 DWT





Builder / Yard No.: Shipyard 3. MAJ / 667

Name: m/s TAIXING

Owner / Flag: Chinese Polish Joint Stock Shipping Company, Shanghai, China / Malta

Sister vessels: 668, 672
Designed by: Shipyard 3. MAJ
Delivered: 1997

Classification:

LRS; ++ 100 A1 "Strenghtened for heavy cargoes, container cargoes in hold Nos. 1, 2, 3 and 4 also on upper and poop decks and hatch covers" with the descriptive note in column 6 of register book "pt HT steel" ++ LMC. LIMS, LWS.

Equipment as per rules CCS ++ CSA 5/5, with notation "Strenghtened heavy cargoes equipped with container securing arrange-

ments" + CSM, AUTO, IWS.

Length over all	abt. 69.80 m
Length btw perp.	162.50 m
Breadth moulded	27.50 m
Depth moulded to upper deck	13.80 m
Depth moulded to second deck	10.15 m
Depth to third deck	6.35 m
Draught at summer freeboard	9.32 m
Deadweight at 9.32 m draught	22,271 t
Gross tonnage	19,134
Main engine:	3. MAJ - SULZER 5RTA 62
MCR:	9,500kW/109 rpm
Trial speed at 9.32 m and 85%	MCR (8 075 kW) 16 20 knots

Capacities

Twindecks "A"	14,466 m³ (grain)
Twindecks "B"	13,906 m³ (bale) 9,657 m³ (grain)
Holds	8,214 m³ (bale) 13,215 m³ (grain)
	11,485 m³ (bale)
Total	37,339 m ³ (grain)
	33,606 m ³ (bale)

Containers

On upper deck 622 TEU; 124 TEU + 249 FEU 2nd deck hatch covers closed; 3rd deck hatch covers opened 472 TEU; 34 TEU + 214

2nd and 3rd deck hatch covers opened

 $468\ \text{TEU};\ 34\ \text{TEU} + 210\ \text{FEU}$ 2nd and 3rd deck hatch covers closed

388 TEU; 32 TEU + 176 FEU

Maximum capacity (on upper deck + 2nd deck hatch covers closed and 3rd deck hatch covers opened)

1,094 TEU; 158 TEU + 463 FEU

Provisions

Heavy fuel oil 1,224 $\,\mathrm{m}^3$ Diesel fuel oil 81 $\,\mathrm{m}^3$

Lubrication oil 76 m³
Fresh water 234 m³
Ballast water tanks: 7,391 m³
Consumption in accordance with ISO standard 32.65 t/24 h
Crew complement 37

m/s TAIXING is multipurpose cargo liner suitable to carry general cargo, grain, bulk and ore cargo, heavy cargo, vehicles and containers, as well as dangerous cargo, class 3, 4, 5, 6, 8 and 9 as per SOLAS in hold Nos. 1, 2, and 3, only.

Accommodation is located aft, with three decks, forecastle, poop, raked stem, bulbous bow, transom stern and double bottom.

Cargo area comprise opened space on upper deck, space on 2nd deck, space on 3rd deck and space in holds.

Cargo spaces Nos. 2, 3 and 4 comprise twin-decks A twin-decks B and lower holds and No. 1 cargo space comprises twin-deck A and lower hold

Side tanks for water ballast is arranged in way of Nos. 2,3 and twindeck A No. 4 twin-deck B and Nos. 2 and holds.

Deep tanks in cargo area between hold Nos. 2 and 3 is provided for heavy fuel oil

Main engine is remotely controlled from the engine room control console as well as from the wheel-house (bridge control console) and bridge wings.

Cargo equipment - hatch covers

- On upper deck: hydraulically operated, watertight, pivot/ folding type.
- On 2nd deck: wire operated, non watertight, multifolding type.
- On 3rd deck: wire operated, non watertight, multifolding type

Deck cranes

Two single GL type and one twin TGL type electro-hydraulic deck cranes with cargo hooks.

- GL 3522 2S capacity 343 kN, hoisting speed 44/22 m/min
- GL 3524 2S capacity 343 kN, hoisting speed 44/22 m/min
- TGL 2528-22 capacity 2 x 245 kN, hoisting speed 54/27 m/min (single), 48/24 m/min (twin)

Steam plant

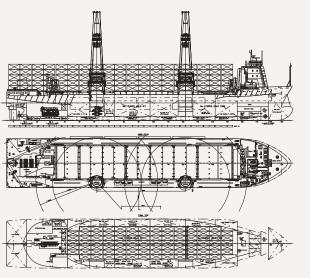
- One vertical oil fired, marine boiler steam capacity 2.0 t/hour of saturated steam, working pressure 8.0 bar.
- One exhaust gas economiser, steam capacity 1,5 t/hour of saturated steam of 8.0 bar.

Auxiliary engines plant

- Three sets of main diesel generators diesel engines of 870 kW at 900 rpm generators of 880 kVA, 3 x 450 V, 60 Hz
- One emergency diesel engine of 153 kW at 1,800 rpm.; generator of 150 kVA, 3 x 450 V, 60 Hz

18.680 DWT





Builder / Project: Shipyard 3. MAJ / Pr. 2784
Owner / Flag: Big Lift / Netherlands
Designed by: Shipyard 3. MAJ

The vessel is designed for unrestricted service notation as multipurpose cargo vessel suitable for the carrying and lifting of heavy cargo, timber, containers, paper, general cargoes, bulk cargo such as coal and grain (grab discharge) and certain dangerous cargoes.

The ship is driven by single screw diesel propulsion unit with engine room located aft. It has main deck, three tweendecks, forecastle, poop, raked stem, bulbous bow, transom stern and double bottom.

Accommodation is arranged at the fore part of the vessel on top of the forecastle deck.

The cargo area comprise open space on main deck including poop deck, tweendeck space and space in hold.

In the hold area there are double bottom and side tanks forming a double hull construction utilized for water ballast and FO tanks (no fuel in double bottom).

Classification: LLOYD'S REGISTER

+ 100 A1 Ice class 1A (Finish)
"Strenghtened for Heavy Cargoes",

"Timber Deck Cargoes",

Length overall Length between perpendiculars Breadth, moulded Depth, moulded to upper deck Design draught Deadweight at design draught (7.0 m) Summer draught	154.80 m 145.20 m 26.50 m 14.00 m 7.00 m 9,700 t 9.50 m
Deadweight at summer draught (9.50 m)	18,680 t

Main engine Four stroke diesel-engine 8,775 kW/up to 500 min-1 Trial speed with 7,460 kW (85% CMCR) at design draught (7.0 m) 16.60 knots

Capacities (100%)

Cargo hold volume 20.500 m³ Containers in hold 394 TEU Containers on deck 755/855 TEU Ballast tanks 9.700 m³ Heavy fuel oil 1.850 m³ 320 m³ Diesel oil 205 m³ Fresh water Consumption of HFO 34.4 t/day Cruising range 20,100 nautical miles 34 persons Crew complement

Painting Cargo holds tank top — ethyl zinc silicate
Bulkheads in cargo holds - epoxy

Ballast tanks - epoxy

Cargo equipment

- Two (2) heavy lift cranes (SWL 800 t each) are installed on the starboard side of the vessel as shown on the general arrangement plan (GAP) and shall be Owner's supply.
- Upper deck hatch covers are box type made of steel, folding type, operated by hydraulic cylinders, six (6) panels at each end, two (2) middle panels are of lift away rolling type. In open position hatch covers are stowed fore and aft and can be kept in stowage position also when the vessel is at sea.
- · Tweendeck hatch covers are lift away box type.

Thermal oil system

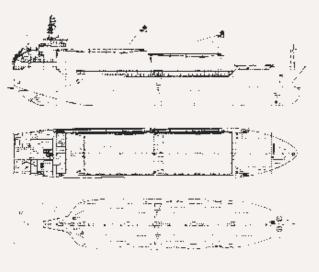
- . One oil fired thermal oil heat exchanger
- One exhaust gas fired thermal oil heat exchanger Electric power production:
- One PTO generator 1.560 kVA/1800 min-1
- Three diesel generator sets, abt. 1.200 kVA/900 min-1 One emergency/harbour diesel generator abt. 375 kVA/1800 min-1

Multipurpose Dry Cargo Ship

BULK & MULTIPURPOS

9.860 DWT





Builder / Yard No.: Shipyard TROGIR / 241, 242, 243

Name: m/s KEGOSTROV
Owner / Flag: Aurora Holding Ltd. Malta
Sister vessels: 242, 243
Designed by: Shipyard Trogir
Delivered: 1999, 2000, 2001, 2002

Classification: DNV; + 1 A1, General Cargo Carrier,

HC Ice 1C EQ i B (W) Sc

DG-B Regulations: International Convention on Load Line, 1966, with updating resolutions (IMO) Resolutions A.231 (VII), A.320 (IX), A.513 (XIII) and A.514 (XIII)

Trial guaranteed speed at 100% MCR (2,700 kW) at design draught of 6.75 m 13.70 knots

The vessel is driven by single screw medium speed diesel propulsion unit.

The main propelling unit consists of one marine diesel engine having maximum continuos output of 2,760 kW at 750 rpm.

One reduction gear and one CPP plant.

One elastic coupling between main engine and gear.

One auxiliary composite exhaust gas/oil fired marine boiler capacity of 2,000 kg saturated steam per hour at 7.0 bar g working pressure.

Electric power station consists of two diesel engine generator sets, each of abt. 475 kVA and one shaft generator connected to reduction gear PTO shaft of abt. 725 kVA.

The power of each diesel engine is abt. 410 kW at speed up to 1,500 rpm.

Capacities

Cargo holds:	
Hold No. 1	abt. 1,668 m
Hold No. 2	abt. 4,496 m
Hold No. 3	aht 4 496 m

Container stowage capacity (TEU)

Hold No. 1	32
Hold No. 2	96
Hold No. 3	96
Totally holds	224 TEU

On hatch covers

12	(8.5 ft height only
51	(45 of 8.5 ft, 36 of 9.5 ft)
78	(51 of 8.5 ft, 54 of 9.5 ft)
ain deck between holds 2&36	(8.5 ft height
ain deck aft 20	(9.5 ft height
ly on hatch covers and deck	391 TEU
	ain deck between holds 2&36 ain deck aft 20

Size of holds /hatches and disposition of container's supports to suit for 8 ft wide containers (ISO) and for 2.5 m wide containers (FURO) as well

The weather deck hatch covers of folding/multifolding type, hidraulically operated with external cylinders.

Hatch covers

Hold No 1.

Clear opening: 12.8 m x 10.4 m (length x breadth). Hold No. 2 and 3.

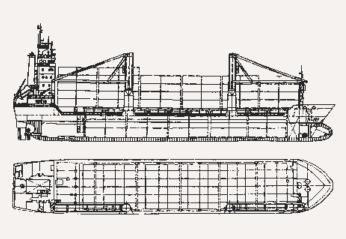
Clear opening: 25.4 m x 15 m (length x breadth).

- Cargo handled with two electrically driven deck cranes fitted portside on upper deck, lifting capacity 150 kN at 24 and 30 m outreach.
- The deck machinery electrically powered.
- Provision crane aft 10 kN at 6.5 m outreach.
- Accommodation arranged for a complement of 14 persons, plus one pilot cabin.

General Cargo / Container Carrier

5,150 DWT





Designed by: Project No. Shipyard KRALJEVICA

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Classification:

DNV; + 1A1, Ice 1A, E0, HC,

GENERAL CARGO/ CONTAINER CARRIER

Main characteristics

Length over all		101.00 m
Lenght btw perp.		93.78 m
Breadth moulded		16.80 m
Depth moulded		8.00 m
Draught scantling/design		6.20 m/6.10 m
Deadweight, at draught of 6.	.10 m	5,150 tons
Gross tonnage		4,124
Main engine:	WARTSILA	WICHMAN 12 V 32 D
MCR:		4.500 kW/750 rpm

Trial speed, 100% MCR, draught of 6,10 m is 15,50 knots

Capacities

One cargo hold 63.7 m x 13.5 m	
size with grain capacity:	abt. 260,000 m ³
Container capacities:	
Cargo hold in three row	142 TEU
Haatch covers in four rows	274 TEU
Hatch covers in fifth row partly	20 TEU
Total:	436 TEU
Plugs for reefer containers	30 pcs.
Free height in cargo hold will be 8.50 m	

Provisions

Heavy fuel oil	270
Diesel fuel oil	70
Fresh water	70
Ballast water	1,750 m
M.E. HFO Consumption at 85% MCR	19.00 t/day
Cruising range	5,000 n.m
Crew complement	14 person

The vessel is designed to carry the following: general cargo containers in cargo hold and heavy cargo on tank

Single screw, diesel engine driven vessel with bulbous bow, transom stern, forecastle deck, accomodation and engine skin, built in longitudinal framing system.

Designed loads:

Haatch covers on main deck	20'	35 t/stack
	40'	43 t/stack
Tank top (cargo hold)	20'	60 t/stack
	40'	90 t/stack
Tank ton reinforced for uniform	n Inad	10 t/m ²

Cargo equipment

- Hatch covers on main deck, 110 steel pontons, crane operated.
- Cargo gear; 2 electro-hydraulic deck cranes mounted on starboard side, capacity of each 36 t/24 m.
- Anti heeling tanks with high capacity pump of 120 t.

Steam plant

• One oil fired boiler 1 t/h working pressure 7 bar.

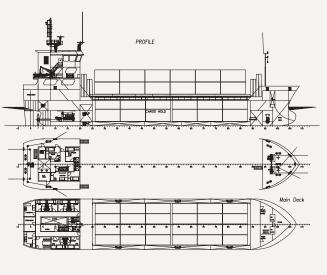
Auxiliary engines plant

- Two el. Generators 320 kW/1,500 rpm.
- One emergency el generator 74 kVA.
- One shaft generator 680 kVA.

Multipurpose Cargo Vessel

1,750 DWT





Builder / Yard No.: Shipyard KRALJEVICA / 537, 538 Name: MOKOŠICA, ŠIPAN

Owners / Flag: Atlantska Plovidba, Dubrovnik, Croatia

Project: SP 033-101-101 Designed by: Shipyard Kraljevica 2006 — 2007 Delivered:

Classification: Croatian Registry of Shipping

(+ 100A1 1 General cargo ship HCS

CON S + M1 AUT 1)

Bureau Veritas (I++ HULL++ MACH++ AUT -UMS, General cargo ship-Heavy cargo, Equipped for carriage of containers,

Unrestricted navigation)

Main characteristics

Loa	67.1 n
Lbp	62.7 m
B(moulded)	12.4 n
D(moulded to main deck)	6.1 m
Design draught	4.35 m
Scantling draught	4.50 m
Deadweight at design draught	1,650 m.t
Deadweight at scantling draught	1,750 m.t
Gross tonnage	1,65

Service speed at design draught at 85% MCR with sea margin of 15% and shaft generator in service 10.4 knots

Machinery main components

Main engine: 1 medium speed four-stroke marine main engine for the vessel propulsion will be installed. Engine will be able to burn heavy fuel oil RME25 or RMG 35 acc. to standard ISO 8217 (96) F with viscosity 180-380 cSt/50°C. Main engine to be ermanetlly running on HFO. Fuel consumption will be acc. to makers specification depending of the selected maker abt. 190 g/kWh with 5% tolerance without bulit-on pumps.

M.C.R. 1,400 kW at 1,000 r.p.m. Electric power plant: Two Marine Auxilliary Generator will be installed Rating: 325 kVA at 1.500 1/min

RMA 10 Emergency diesel generator Type: Marine Emergency Generator Set

approx 105 kVA Generator size:

Capacities

	ner capacity ners on deck	Containers in ca	rgo hold 44 TEU (2 tiers) 58 TEU
Total c	ontainers (max.)		102 TEU
	sockets capacity (100 % volu	ime) of cargo hold	20 TEU 2,500 m
Diesel Heavy Water I	capacities oil tanks fuel oil tanks ballast tanks ating oil tanks		57 m ³ 125 m ³ 1,050 m ³ 6 m ³