

SHIP'S IDENTIFICATION

NAME OF SHIP	GREENER
FLAG	MARSHALL ISLANDS
CALL SIGN	V7YU9
PORT OF REGISTRY	MAJURO
REGISTER NO	2309
IMO-NUMBER	9618616
CLASSIFICATION SOCIETY	CLASS NK
CLASS NUMBER	123577
CLASS NOTATIONS	CLASS NK ^(C) CSR,BC-A,BC-XII,GRAB 20) (PSPC-WBT) (ESP) (IWS) (PSCM)
COMPANY IDENTIFICATION NUMBER	1599007
TYPE OF SHIP	BULK CARRIER
KEEL LAID/LAUNCHED/COMPLETION	04.11.2011 / 06.04.2012 / 26.09.2012
PLACE OF BUILDING	COSCO (GUANGZHOU) SHIPYARD -CHINA
HULL NUMBER	N341
LOA	189,99
LBP	185,00
BREADTH MOULDED.	32.26 M.
DEPTH MOULDED	18.0 M.
HEIGHT FROM KEEL TO HIGHEST ANTENNA	47.75M
LIGHT SHIP	11,159MT
FWA FRESH WATER ALLOWANCE	288MM.
GROSS TONNAGE	32,983
NET TONNAGE	19,191
PANAMA CANAL NET	27,339
SUEZ CANAL GROSS	33,934.90
SUEZ CANAL NET	30,992.70
MAIN ENGINE	STX MAN-B&W 6s50 MC-C8.1
NOMINAL MAX.CONTINUOUS RATING	9960 KW AT 127 R/MIN
SPECIFIED MAX.CONTINUOUS RATING	8500 KW AT 115 R/MIN
CONTINUOUS SERVICE RATING (CSR)	6422.954 KW AT 108.9 R/MIN
SERVICE SPEED& CONSUMPTION	14.0 KTS. IN LIGHT BALLAST COND. ME 22.5 MT + D/G 2 MT+
SERVICE SPEED & CONSUMPTION	13.5 KTS.FULLY LOADED COND. ME 25.5 MT + D/G 2 MT
AUXILLARY ENGINE	3X 650 KW X 720 RPM
ELECTRICITY	440 / 220V – 60 Hz
NUMBER OF HOLDS & HATCHES	5 / 5
HATCH COVER TYPE	FORE & AFT FOLDING TYPE DOUBLE SKIN HYDRAULIC OPERATED STEEL HATCH COVER
PROPELLER - MATERIAL	4 BLADED FIXED –RIGHT HANDED –KAIBC3 CU3
PROPELLER DIAMETER	6.007 M.
PROPELLER PITCH 0.7 R	4.5226 M
MASS	15030 KG.
ANCHOR & MATERIAL	8930 KG. KSC 42, SPEK TYPE ANCHORE
ANCHOR CHAIN	GRADE III NOMINAL DIA 73 MM.-STABOARD 12 – PORT 11 SHACKLES

IFO CAPACITY (INC. SERVICE & SETTling) 100 % FULL	2,210.21 M ³
IFO CAPACITY (INC. SERVICE & SETTling) 80 % FULL	1,768.168 M ³
DO CAPACITY (INC. SERVICE & SETTling) 100 % FULL	193.65 M ³
DO CAPACITY (INC. SERVICE & SETTling) 80 % FULL	154.92 M ³
LO CAPACITY 100 % FULL	123.38 M ³
LO CAPACITY 80 % FULL	98.704 M ³
FW CAPACITY (INCLUDING DISTILLED TK)	465.41 MT.
FRESH WATER GENERATOR DAILY CAPACITY	25 TONS
PORT SIDE FW.WASHING TANK	372.49 CUB.M
STARBOARD SIDE SLOP HOLDING TANK	372.49 CUB.M
SEWAGE TANK	27.72 CUB.M
LIGHT BALLAST CAPACITY AND BALLASTING&DEBALASTING TIME	16,333.39 MT. 16 HOURS
LIGHT BALLAST CAPACITY AND DRAFTS & EXCHANGE TIME	16,333.39 MT. ON FWD : 5.43M. AFT:6.128M :28.7 HOURS
HEAVY BALLAST CAPACITY AND BALLASTING&DEBALASTING TIME	31,658 MT.24 HOURS
HEAVY BALLAST CAPACITY AND DRAFTS & EXCHANGE TIME	31,658 MT. ON FWD: 8.19M. AFT:9.25 M : 50.2 HOURS

MMSI NUMBER	271 043 245
ACCOUNT AUTHORITY	TR01
INMARSAT – C (LIRIT + SSAS)	4 271 01365
INMARSAT – C	4 271 01366
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Hook Use Hoist.Load	Grab Use Hoist.Load	Max/ Min Slwg.Radius	Max. Lift	Hoisting Speed t x m/min	Lowering Speed	Luffing Time	Slewing Speed	Electric Source	Elc.Motor For Pump Unit
30 mt.	24 mt.	28 / 3.4 m.	35 m,	30 x 20 Hook use 24 x 20 Grab Use 18 x abt.30 6 x abt.60	Abt.60 m/min (at rated load)	71 sec.	0.4 rpm.	AC 440V 60 Hz. 3 Phases	125 kW cont. (285kW 15% ED)

12 Cub.M Max.capacity (3 lines of kick plates) ,8700 kg.deadweight Radi remote operated electro hydraulic operated 4 pcs. Grab

Item No	Capacity Cub.M	Number of kick plates	Max permitted dencity t/m ³
1	12	All 3 fixed	
2	9	No1 dismantled	
3	7	No1+No2 dismantled	
	5	No1+No2+No3 dismantled	

Ho Id No	Frame Nos.	Grain Cap. (m ³) %100	Bale Cap.(m ³)	Grain Cap. ft. ³	Bale Cap. ft. ³	Hold Dims. LxBxD (m.)	Hatch Dims. LxBxD (m.)
1	183-217	13,009.86	12300	459439.3		27.88x32.26x16.76	18.86x18.26x0.90
2	145-183	15,333.25	14700	541489.1		31.16x32.26x16.72	21.32x18.26x0.90

3	109-145	14,553.08	14000	513938.7		29.52x32.26x16.72	21.32x18.26x0.90
4	71-109	15,333.27	14700	541489.8		31.16x32.26x16.72	21.32x18.26x0.90
5	35-71	13,404.64	12500	473380.8		29.52x32.26x16.72	21.32x18.26x0.90
TOTAL CAPACITY		71,634.09	68200	2,529,737.7			

Cargo hold		1	2	3	4	5
Maximum cargo mass in homogeneous loading, in t	Mh	9836 t	11592 t	11002 t	11592 t	10134 t

Cargo hold		1	2	3	4	5
Maximum cargo mass in alternative loading, in t	Mhd	17630 t	0	19721 t	0	18165 t

Location	Hold # 1	Hold # 2	Hold # 3	Hold # 4	Hold # 5
Flat area of Hold bottom about (m ²)	535.11	683.75	644.68	683.75	481.28
Flat bottom dims.LxB or (B fore ,B aft)	27.88x(10.71/23.82)	28.7x23.824	27.06x23.824	28.7x23.824	29.52x(23.824/9,064)

Design Load Location	Hold # 1	Hold # 2	Hold # 3	Hold # 4	Hold # 5
Max.Permissible Load (t/m ²)	25	20	25	20	25

Design Load Location	Main Deck	Hatch Covers
Max.Permissible Load (t/m ²)	1	2.3

	Freeboard (mm.)	Draft (m.)	Displacement	Deadweight	TPC	TPI
Summer	5224.	12,80	67,681.1	56,620	58.8	149.352
Fresh	4936.	13,088	67,681.1	56,620	58.9	149.606
Tropical	4957.	13,067	69,254.4	58,193	58.9	149.606
Tropical fresh	4669	13,355	69,254.4	58,193	59.05	149.987
Winter	5491	12,533	66,110.4	55,049	58.7	149.098

From No.1 hold forward to foremost vessel	16.40 m.
From No.5 aft to aftmost vessel	33.0 m.
From No.1 forward to Aft of No.5 hold	140.59
From Main deck to top of closed Hatch Cover	At No.1 center 3.40 m./ at No.2-5 centers 3.20 m.
From Main deck to top of open Hatch Cover	At No.1 center 2.80 m./ at No.2-5 centers 2.60 m.
From Keel to Maindeck	18.00 m. (Except foremost maindeck 18.20 m)
From Hatchcoaming to hand rails	No.1 Forward side 5.6m. from no.1 mid to No.5 aft 6.40 m.
Clear distance from deck piping to hand rails P&Stb'd	5 m. (except off pilot boarding area and catwalks,air flow of WBT, boller,life line structure)
Distance between the holds off cross deck area	F'Castle to No.1 hatch 5m.//Between no.1-2 = 8.9m./ between 2-3, 3-4,4-5 =9m.//No.5-Accommodation 4.15m.
Air draft up to hatch coaming on fully loaded condition (drafts fwd:12,32m. aft:13.24m)	At fwd:8.20m. at mid ship: 7.50m. at aft: 7.56 m.
Air draft up to hatch coaming on light ballast and 50% bunker condition (drafts fwd:5.43m. aft :6.13 m.)	At fwd:15.40m. at mid ship: 14.80m. at aft:14.60m.
Air draft up to hatch coaming on full ballast and 50% bunker condition (drafts fwd: 8.19. aft:9.25m.)	At fwd:12.56m at mid ship:12.10m. at aft:11.80m.
Water line to highest point in light ballast condition :	41.64m
Water line to highest point in full ballast condition:	38.70m.
Water line to highest point in fully laden condition:	34.56m

Tanktop to underside closed hatch covers	18.50m.
Tank top to underside weather deck	16.70
Top of hopper tank to bottom of wing tank at no3.hold	Min.at No1: 6m. Max.at No.1: 7.4m. No.2-4:7.4m. Min.at No5 aft.:1.8 Max.at No.5:7.4m.
Hopper Tanks height from tanktop	Min.at No1: 4.20. Max.at No.1: 6.40m. No.2-4: 4.20m.. Min.at No5 aft.: 4.20m. Max.at No.5: 9.70m.
Space between frams	80 cm