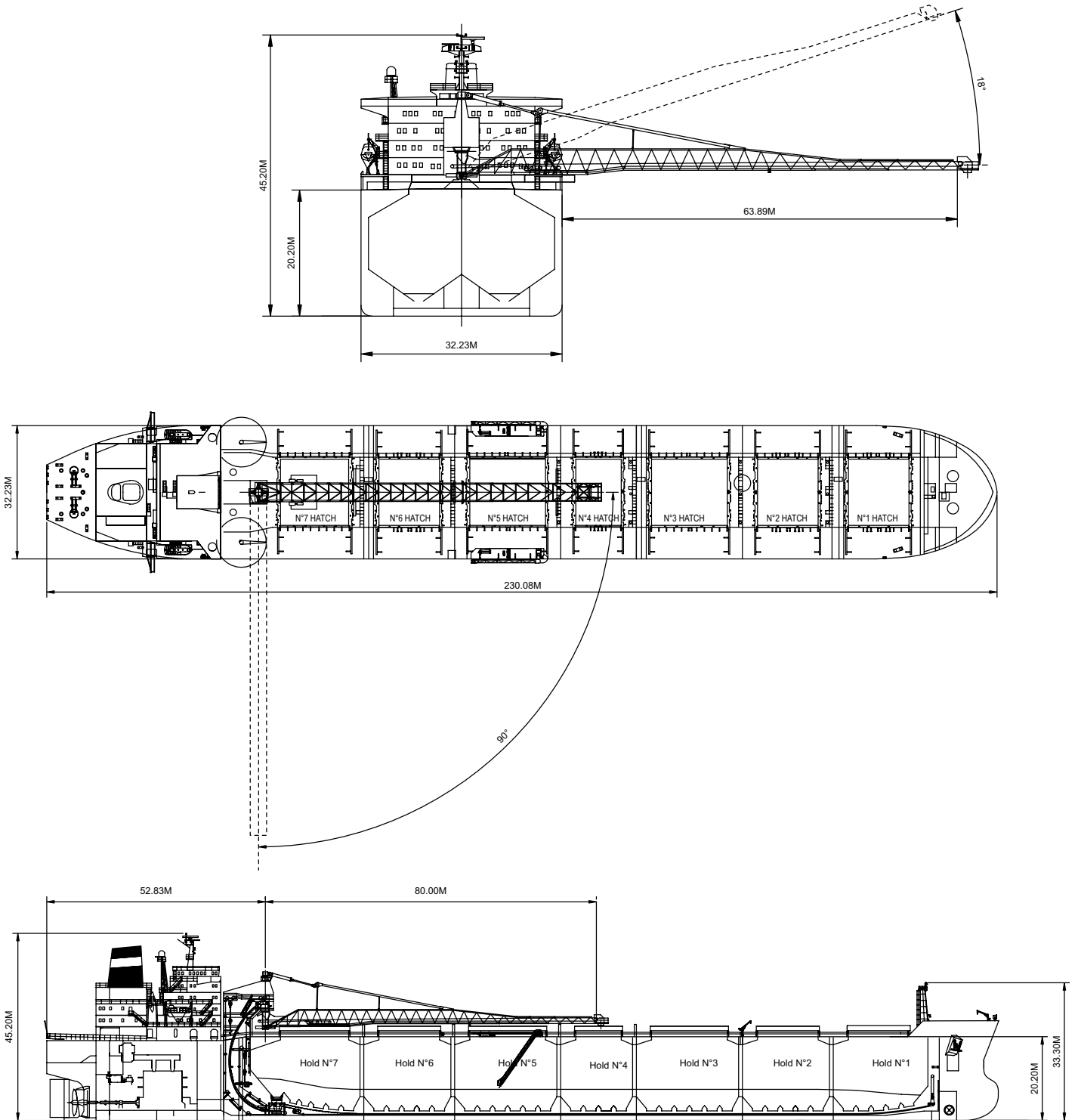




*On sea trial.*

Built	..... 1981, rebuilt with new forebody in 2007
Classification	..... LR + 100A1 Bulk carrier, ESP, SHIPRIGHT (SDA, FDA, CM) LI, + LMC, UMS
Length Overall	..... 230.08 metres
Breadth Moulded	..... 32.20 metres
Depth Moulded	..... 20.20 metres
Total Hold Capacity (including hatches)	..... 68,618 cubic metres
Deadweight	..... 69,305 tonnes
Draft (summer)	..... 13.50 metres
Gross Tonnage	..... 43,022 tonnes
Net Tonnage	..... 16,103 tonnes
Bow Thruster	..... 1,500 kW
Length of Boom	..... 80.00 metres
Discharge Rate	Coal..... 4,200 tonnes/hr
	Gypsum..... 4,500 tonnes/hr
	Iron Ore..... 6,000 tonnes/hr



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<b>Air Drafts</b>												
(metres)												
Draft Condition	Stem	Foremast	Hatches			Cargo Gear	Main Mast		Funnel	Stern	Other Obstruction*	Maximum
			Forward	Midship	Aft		Deployed	Lowered				
Keel	24.00	33.30	22.60	22.60	22.60	N/A	45.20	N/A	42.20	19.70	N/A	45.20
Light Ship	23.00	31.90	21.40	19.80	18.60	N/A	40.80	N/A	37.80	14.20	N/A	40.80
Normal Ballast 50% Bunker	16.40	25.70	15.20	14.60	14.00	N/A	36.40	N/A	32.40	10.00	N/A	36.40
Fully Loaded 50% Bunker	10.80	19.90	9.20	9.20	9.00	N/A	31.60	N/A	28.60	5.80	N/A	31.60

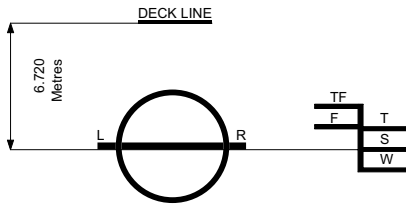
<b>Hatch and Hold Specifications</b>									
Hold Number	1	2	3	4	5	6	7	TOTAL	
<b>Hold Volumes (cubic metres)</b>									
Cubic	8,994.0	9,490.0	11,140.0	7,839.0	11,140.0	9,494.0	10,178.0	68,275.0	
Maximum Grain	9,039.0	9,538.0	11,196.0	7,878.0	11,196.0	9,542.0	10,229.0	68,618.0	
Grain in way of Hatch	45.0	48.0	56.0	39.0	56.0	48.0	51.0		
<b>Hold Openings (metres)</b>									
Number of Openings	1	1	1	1	1	1	1	7	
Opening Length	14.64	14.64	18.30	10.98	18.30	14.64	16.45		
Opening Width (Normal)	16.00	16.00	16.00	16.00	16.00	16.00	16.00		
Coaming Height above Keel	21.50	21.50	21.50	21.50	21.50	21.50	21.50		
<b>Hatch Information (metres)</b>									
Description	Side Rolling	Side Rolling	Side Rolling	Side Rolling	Side Rolling	Side Rolling	Side Rolling		
Operation	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic		
Hatch Length	14.93	14.93	18.59	11.27	18.59	14.93	16.56		
Hatch Width	16.30	16.30	16.30	16.30	16.30	16.30	16.30		
Hatch Top Height above Keel	22.60	22.60	22.60	22.60	22.60	22.60	22.60		

<b>Cargo Handling Equipment</b>
• Fixed type conveyor along boom
• Two 2.6m/s hold conveyors
• Two 2.5m/s transfer conveyors
• One 3.6m/s boom conveyor
• One 4.32m/s 'C' loop conveyor
• Tunnel Belts: 2.135m wide
• Boom Belt: 1.981m wide
• Transfer Belt: 2.135m wide
• All belts have 35 degree trough
• Dust Suppression: Boom and transfer points are fitted with positive air pressure dust collectors plus water sprayers on the boom and foam sprayers in the transfers.
• Discharge Rate: Coal .....4,200 tonnes/hr Ore.....6,000 tonnes/hr
• Maximum Boom Outreach: 63.89 metres

<b>Speed   Consumption</b>					
	Speed		Consumption		
	Loaded	Ballast	Loaded	Ballast	Port
At Sea	13.00	14.00	36.50	35.00	N/A
Loading					2.80
Discharge					7.60

For more information on this ship please visit [www.cslships.com](http://www.cslships.com)





ASSIGNED DRAFTS			
Season	Draft (metre)	Displ. (tonnes)	DWT (tonnes)
TF	14.09	87,625	71,201
F	13.81	85,734	69,309
T	13.78	87,657	71,233
S	13.50	85,729	69,305
W	13.22	83,805	67,381

DEADWEIGHT SCALE								
DRAFT				DISPLACEMENT	TPC	DEADWEIGHT	DRAFT	
Sea Water		Fresh Water					Sea Water	
(metre)	(feet)	(metre)	(feet)	(tonnes)	(tonnes)	(tonnes)	(feet)	(metre)
17	56	17	56	110,000	70		56	17
16	54	16	54	100,000		90,000	54	16
	52		52			52		
15	50	15	50			80,000	50	15
	48		48			48		
14	46	14	46	90,000	69	70,000	46	14
	44		44	44				
13	42	13	42	80,000	68		42	13
	40		40	40				
12	38	12	38			60,000	38	12
	36		36			36		
11	34	11	34	70,000	67	50,000	34	11
	32		32	32				
10	30	10	30	60,000	66		30	10
	28		28	28				
9	26	9	26	50,000	65	40,000	26	9
	24		24	24				
8	22	8	22	40,000	64	30,000	22	8
	20		20	20				
7	18	7	18			20,000	18	7
	16		16			16		
6	14	6	14	30,000	63	10,000	14	6
	12		12	12				
5	10	5	10	20,000	62		10	5
	8		8	8				
4	6	4	6			0	6	4
	4		4				4	
3	2	3	2		61		2	3
	0		0				0	
2	0	2	0		60		0	2
	0		0				0	

Light Ship  
16,424 tonnes

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