



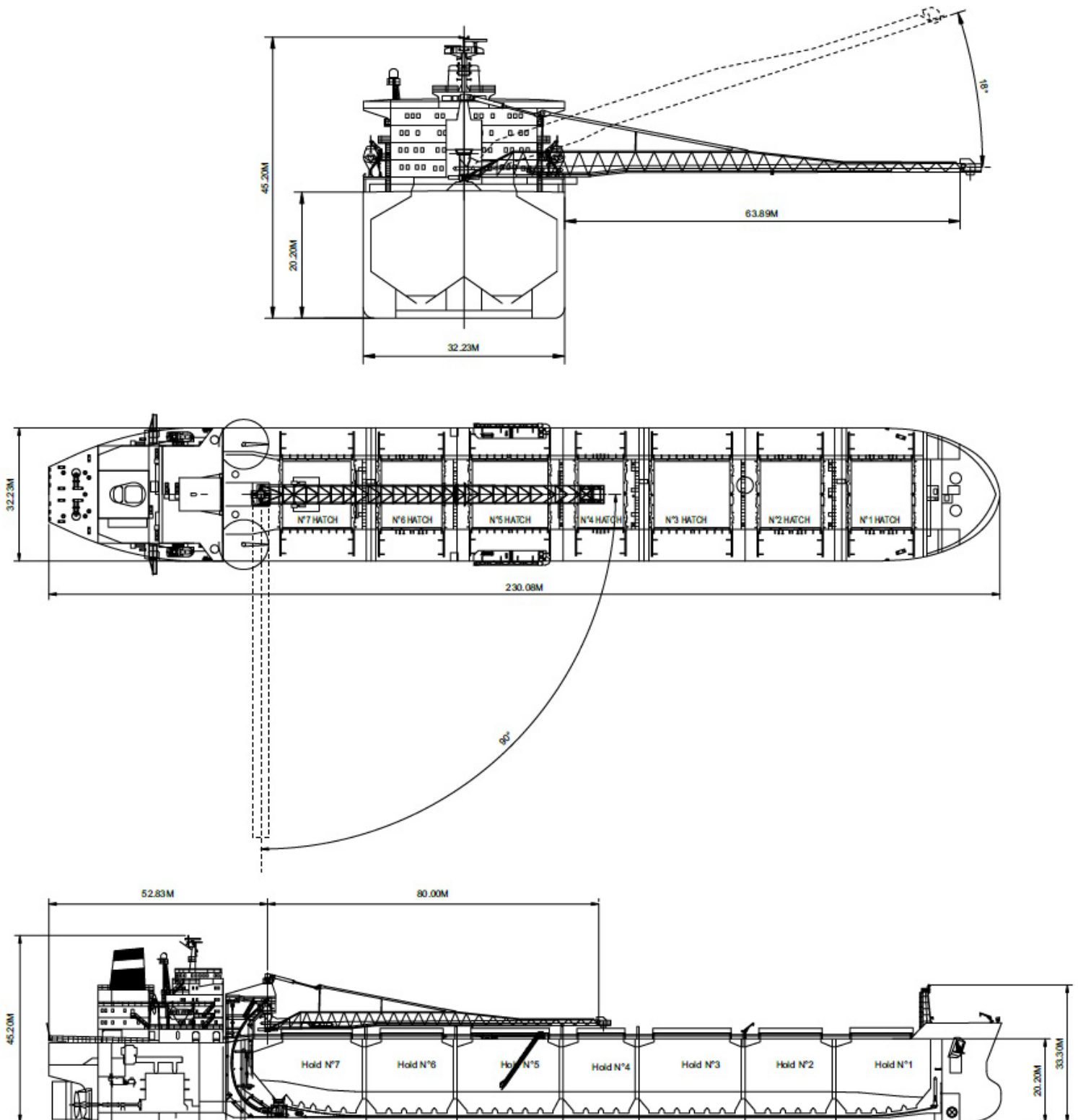
TECHNICAL SPECIFICATIONS

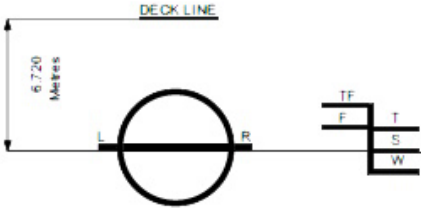
Built	1981, rebuilt with new forebody in 2007
Classification	LR + 100A1 Bulk carrier, ESP, SHIPRIGHT (SDA, FDA, CM) LI, + LMC, UMS
Length Overall	230.08 metres
Breadth Moulded	32.20 metres
Depth Moulded	20.20 metres
Total Hold Capacity (including hatches)	66,618 cubic metres
Deadweight	69,304.93 tonnes
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/hour
Discharge Rate – Gypsum	4,500 tonnes/hour
Discharge Rate – Iron Ore	6,000 tonnes/hour

MV *CSL Metis* is a Panamax, self-unloader with a deadweight of 69,304.93 MT.

This vessel currently operates on the Coasts of the Americas.

MV *CSL Metis* is wholly owned and operated by CSL.





Light Ship
16,424 tonnes

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	
	54		54			90,000	54		
16	52	16	52	100,000			52	16	
	50		50			80,000	50		
15	48	15	48				48	15	
	46		46	90,000	69		46		
14	44	14	44			70,000	44		
	42		42				42	13	
13	40	13	40	80,000	68		40		
	38		38			60,000	38	12	
12	36	12	36		67		36		
	34		34	70,000		50,000	34	11	
11	32	11	32				32		
	30		30	60,000	66		30	10	
10	28	10	28			40,000	28		
	26		26	50,000	65		26	9	
9	24	9	24			30,000	24		
	22		22				22	8	
8	20	8	20	40,000	64		20		
	18		18			20,000	18	7	
7	16	7	16				16		
	14		14	30,000	63	10,000	14	6	
6	12	6	12				12		
	10		10	20,000	62		10	5	
5	8	5	8			0	8		
					61			4	
4									
					60			3	
3									
								2	

HATCH AND HOLD SPECIFICATIONS

HOLD VOLUMES (CUBIC METRES)

HOLD NUMBER	1	2	3	4	5	6	7	TOTAL
Cubic Volume (Maximum)	8,994	9,490	11,140	7,839	11,140	9,494	10,178	68,275

HOLD OPENINGS (METRES)

NUMBER OF OPENINGS	1	1	1	1	1	1	1
Opening Length	14.64	14.64	18.30	10.98	18.30	14.64	16.45
Opening Width	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

HATCH INFORMATION (METRES)

DESCRIPTION	Side-Rolling Panels						
Operation	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 (When Hatch Cover Open)	22.60	22.60	22.60	22.60	22.60	22.60	22.60

CARGO HANDLING EQUIPMENT

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: 2.135 metre wide
Boom Belt: 1.981 metre wide
Transfer Belt: 2.135 metre wide
All belts have 35-degree trough.
Dust Suppression: Boom and transfer points are filled with positive air pressure, dust collectors as well as water sprayers on the boom, and foam sprayers in the transfers.
Maximum Boom Outreach: 63.89 metres

SPEED | CONSUMPTION

	SPEED (Knots)		CONSUMPTION (Metric Tonnes/Day)		
	Loaded	Ballast	Loaded	Ballast	Port
At Sea	11.00	12.00	28.50	28.50	N/A
Loading					2.80
Discharge					7.60

ASSIGNED DRAFT

Season	Draft (Metres)	Displacement (Tonnes)	DWT (Tonnes)
TF	14.09	87,625	71,201
F	13.81	85,734	69,309
T	13.78	87,657	71,223
S	13.50	85,729	69,305
W	13.22	83,805	67,381

All specifications are given in good faith but without guarantee.