

# INVENTANA (I007)

OHD Vessel Particulars

Call Sign	IMO no.	Flag	Register (if appl.)	PC/UMS	Suez	Sdwt	Sdraft
9VVS	9186223	SGP	<b>NRT</b> 13,195 <b>GRT</b> 33,448	27,721	29,983.75	43,925MT	12.05m
					34,501.02	<b>Lloyds Number:</b>	9186223

<b>Dimensions:</b>	<b>LOA</b> 198.311m	<b>LPP:</b> 189.5m	<b>Bmld</b> 31m	<b>Dmld</b> 19m
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**Airdraft:** 47

<b>Built (month - year - shipyard):</b>	04 2000 by Stocznia, Szczecin, Poland	<b>Owner/Manager:</b>	Masterbulk Pte Ltd Singapore
<b>Class:</b>	DNV + 1A1, General Cargo/Container Carrier HC/EA, Grain, E0, HA(+), IB(+)(except hold no.11), LCS(S,I,G,D) TMON	<b>Port of registry:</b>	Singapore
<b>Orestrengthened:</b>	Yes	<b>Main Engine:</b>	One 6-cylinder, 2-cycle, single acting, cross head marine diesel engine, HCP MAN B&W type 6S60MC. Output 11200 kW at 96.2 rpm
<b>Vessel Type:</b>	General cargo / Container Carrier	<b>Auxiliary Engines:</b>	4 cycle, trunk piston engines built by HCP Ltd, 450 V, 60 Hz, 900 rpm One 8-cyl., MAN B&W Holeby type, Gen. capacity 960 kW. One emergency generator, Demp A.S. cap 175 kVA
<b>CO2 fitted:</b>	Yes	<b>Hull&amp;mach. value:</b>	USD 47 million
<b>P&amp;I Club:</b>	Skuld	<b>Bow Thruster:</b>	1 X 1500 kW / 2000 BHP
<b>Lead hull underwr:</b>	Norwegian Hull Club	<b>Stern Thruster:</b>	1 X 750 kW / 1000 BHP
<b>Dehumidifier:</b>	All holds(DST type)		
<b>Type hold vent.:</b>	2 central units, 7500m3/hr/hold		

Load Lines	Summer SW	Winter SW	Tropical SW	Fresh Water	Tropical FW
<b>Draft (M)</b>	12.05M	11.799M	12.301	12.319	12.57
<b>TDW (MT)</b>	43,925	42,532	45,322	43,964	45,322
<b>MT per cm:</b>	55.58 on full summer draft sw		<b>Min draft forw (ball cond):</b>	5.40	

Distance from waterline to hatch coaming: a) Full ballast condition b) Light ship harbour condition

a) Hold 1: 15.15 Midship: 14.64 Aft hold: 14.1 b) Hold 1: 15.15 Midship: 14.64 Aft hold: 14.1

Read as guideline only

Speed and Consumption:	Speed:	Main Engine Consumption:	Diesel (MDO) Aux. Fuel:	Other Aux. Fuel:
<b>Laden:</b>	16.2 knots	44.5 HFO MT, 380 CST RMG 35	MT, MDO	3.0MT, HFO 380 CST RMG 35

<b>Ballast:</b>	16.2 knots	44.5 HFO MT, 380 CST RMG 35	MT, MDO	3.0MT, HFO 380 CST RMG 35
<b>Port Idle:</b>			MT, MDO	4.0MT, HFO 380 CST RMG 35
<b>Port Working:</b>			MT, MDO	4.0MT, HFO 380 CST RMG 35
<b>Comments:</b>	All fuels to be in accordance with 'ISO8217'.		<b>Constants:</b>	600MT

**Cranes:** 2 x 70 mt SWL Konecranes Munck-design **Rainprot.:** Yes  
**Outreach:** 8 m **Turntable:** Yes **Comments:**  
**Grabs:** No grabs onboard **Feeder holes:** Yes **Diameter:** 900mm  
**Hatchcover:** One-panel pontoon type McGregor design, operated by 2 hydr.sylinders on the gantry crane. Feeder holes - 1 pcs/hatch close to centreline.  
**HC Strength:** 3 mt/m2

**Crane Speed:**

Gantry	Trolley		Hoisting		Lowering	
	Full Load	No Load	Full Load	Load	Full Load	Load
	30 m/min	m/min	90 m/min	90 m/min	40 m/min	80 m/min
					80 m/min	20 mt

Capacities:							
Hold	Length m	Width m	Height m	Bale cap.	Grain cap.	Tanktop Strength	
1	12.30	20.4/15.3/10.2	19.10	140,353	141,943	28 MT/m <sup>2</sup>	
2	12.30	26.2/20.4	19.10	204,240	205,194	28 MT/m <sup>2</sup>	
3	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
4	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
5	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
6	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
7	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
8	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
9	12.30	26.20	19.10	217,491	218,622	28 MT/m <sup>2</sup>	
10	12.30	26.20/20.40	19.10	204,240	205,371	28 MT/m <sup>2</sup>	
* 11	12.30	26.20	11.10/5.88	96,643	96,926	10 MT/m <sup>2</sup>	
<b>Total cubic capacity in holds:</b>				2,167,913	2,179,788		

\* Hold not suitable for grab discharge  
Hatch covers can be stacked 3 high.

**Container Capacity:** In holds: 1396 teus loaded contrs.  
On hatchcovers: 700 teus loaded (limited by IMO reg and Panama vis.)  
Reefer plugs: 20 reefer container sockets 3x440 V, 60 Hz

**Tween decks:** Tweendeck Holds: 3 and 8 - Lower  
Tweendeck Holds: 4 - Upper  
Tweendeck Holds: 5 and 9 - Lower and Upper

Total 16 pcs pontoons onb, 4 poontoons each Tweendeck.  
 Max distributed load 5,5 MT/m2.

<b>Stacking weight:</b>	<b>20'</b>	<b>40'</b>
On hatch covers:	69 mt (3 high)	91.5 mt (3 high)
In holds: 69 mt up to 3 tiers		213.5 mt 7 tiers high

**Cellguides:** In holds 1,2,6,7 and 10 / Brackets: 3,4,5,8,9,11

**Fresh water cap.:** 427 mt

**Ballast cap.:** 16,512 mt

**Deballasting cap.:** 2x600 pumps/m<sup>3</sup>/hrs

**Bunker cap.:** HFO/IFO: 3017.6 m3 at 100% capacity  
 MDO: 149.2 m3 at 100 % capacity

**Sludge tank for hold cleaning water:** No

**Updated by:** Harald Lillejord/BGN/WLS

**NOTE:** *ALL DETAILS ARE 'ABOUT',  
 BELIEVED TO BE CORRECT BUT NOT GUARANTEED.*