

INTERTANKO Standard Gas Form - LNG

1.	GENERAL INFORMATION	
1.1	Vessel's name (IMO number):	Js Ineos Invention (9771511)
1.2	Flag/Port of Registry:	Malta/Valletta
1.3	Date delivered/Builder:	Mar 31, 2017/Yiangsu New Yangzi Shipbuilding Co., LTD
1.4	Hull Type:	Double Bottom
1.5	Call sign/MMSI:	9HA4281/249 551 000
1.6	Vessel's contact details (satcom/email):	Tel: 424 955 114 Email: js.invention@skyfile.com
Classification		
1.7	Classification society:	Bureau Veritas
1.8	Class notation:	BV I, + HULL, +MACH, Liquefied Gas Carrier, Type 2G - dualfuel, Unrestricted Navigation, CPS (WBT), VeriSTAR - HUL DFL25 Years, +AUTT -UMS, +SYS-NEQ, MON-SHAFT, GREENPASSPORT, CLEANSHIP, INWATERSURVEY
1.9	Previous Classification Society (if applicable) / Date of Classification Society Change:	Not Applicable
1.10	EEDI Rating:	8.327
1.11	Does the ship have a Condition Assessment Programme (CAP) rating? What is the latest CAP rating (if applicable):	No,
Ownership and Operation / QI		
1.12	Registered owner - Full style:	GREAT INVENTION LIMITED Trust Company Complex, Ajeltake Road, Ajeltake Island, Majuro, Marshall Islands MH96960 Marshall Islands Tel: 45 3997 0350 Fax: NA Telex: NA Email: management@evergas.net Web: NA
1.13	Technical operator - Full style:	Evergas Ship Management Pte. Ltd. 21 UBI ROAD 1, #06-01, Singapore 408724 Singapore Tel: +65 6904 1939 Fax: +65 6692 0067 Telex: NA Email: marine@evergas.net Web: www.evergas.net Company IMO#: 5881733
1.14	Commercial operator - Full style:	Evergas Management A/S Kalvebod Brygge 39-41 Denmark Tel: +45 3997 0350 Fax: N/A Telex: N/A Email: operation@evergas.net Web: www.evergas.net
1.15	Qualified Individual - Full style:	O'Brien's Response Management, L.L.C 818 Town and Country Blvd., Suite 200 Houston, TX 77024 USA Tel: +1-281-606-4818 Fax: Not Applicable Telex: Not Applicable Email: commandcenter@wittobriens.com Web: www.wittobriens.com
Insurance		
1.16	P & I Club - Full Style:	GARDNorwegian Branch Kittelsbuktveien 31 4836 Arendal Norway Tel: +47 90 52 41 00 Fax: +47 37 02 48 10 Email: companymail@gard.no Web: www.gard.no
Dimensions		

1.17	Length overall (LOA):				180.30 Metres
1.18	Extreme breadth (Beam):				26.60 Metres
1.19	Moulded depth:				17.80 Metres
1.20	Distance bow to bridge:				142.80 Metres
1.21	Distances	Lightship	Normal Ballast	Summer Dwt	
	Parallel body length:	47.90 Metres	63.20 Metres	83.20 Metres	
	Vapour centreline to aft:	24.10 Metres	30.30 Metres	43.30 Metres	
	Vapour centreline to forward:	23.80 Metres	32.90 Metres	39.90 Metres	
Tonnages					
1.22	Gross Tonnage:				22,887.00
1.23	Net Tonnage:				6,866.00
1.24	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):	24,966.94		21,589.49	
Loadline Information					
1.25	Loadline	Summer	Winter	Tropical	Ballast
	Freeboard (m):	5.41 Metres	5.60 Metres	5.21 Metres	8.21 Metres
	Draft (m):	9.40 Metres	9.20 Metres	9.59 Metres	6.59 Metres
	Deadweight (m):	20,737.90 Metric Tonnes	19,916.30 Metric Tonnes	21,563.90 Metric Tonnes	9,840.00 Metric Tonnes
	Displacement (m):	32,087.90 Metric Tonnes	31,266.30 Metric Tonnes	32,913.90 Metric Tonnes	21,190.00 Metric Tonnes
1.26	FWA/TPC at summer draft:			191.00 Millimetres	42.03 Metric Tonnes
1.27	Design Draft:				9.40
1.28	What is the max height of mast above waterline (air draft):				37.10 Metres
1.29	Does vessel have multiple SDWT? If so, please enter Maximum deadweight (mt):				Yes

2.	CARGO TANKS				
2.1	Type of Cargo Tank:	Independent			
2.2	If Independent then Type:	C			
2.3	Type of Cargo tank Containment System:	Ind-C			
Design Tank Pressure					
2.4	What is the minimum design tank pressure?:	-0.25 bar			
2.5	What is the maximum design tank pressure?:	4.50 bar			
2.6	What is the minimum design tank temperature?:	-163.00 Degrees Celsius			
2.7	What is the maximum design tank temperature?:	45 Degrees Celsius			
Transport and Carriage Conditions					
2.8	Material of construction of cargo piping system:	Stainless Steel			
2.9	What is the design natural boil-off rate for fully laden condition by percentage of:				
Loading Operations					
2.10	Maximum loading rate with vapour return (m3 per hour):	2,100.00 Cu. Metres/Hour			
2.11	Maximum loading rate without vapour return (m3 per hour):	2,100.00 Cu. Metres/Hour			

3.	CARGO TANK CAPACITIES						
3.1	Cargo Tank Capacities	Tank number	Capacity (100%) (m3)	Temp (m3)	Max capacity (m3)	Lower slosh (m3)	Upper slosh (m3)
		1	8192.32	20.00	8028.48	0.00	0.00
		2	9683.47	20.00	9489.81	0.00	0.00
		3	9684.59	20.00	9490.90	0.00	0.00
3.2	Total Capacity of all tanks (100%) at reference temperature:	27,560.39 Cu. Metres					

4.	DECK MACHINERY	
	Mooring	
4.1	Number Of Mooring Winches:	Forecastle: 2 Main deck fwd: 1 Main deck aft: 1 Poop deck: 2
4.2	Mooring lines on drum (Number/Length / Diameter):	None
4.3	Mooring Lines (Material):	
4.4	Mooring ropes on drum (Number/Length / Diameter)	Forecastle: 4 / 220.00 Metres / 64.00 Millimetres Fwd main deck: 2 / 220.00 Metres / 64.00 Millimetres Aft main deck: 2 / 220.00 Metres / 64.00 Millimetres Poop: 4 / 220.00 Metres / 64.00 Millimetres
4.5	Mooring ropes (Material)	Polyester
4.6	Ship design minimum breaking load (mt):	200 Metric Tonnes
	Lifting Equipment	
4.7	Number of Cranes:	1
4.8	SWL Of Cranes(mt):	2.00 Metric Tonnes

5.	CARGO MACHINERY	
	Main Cargo Pumps	
5.1	Number of main cargo pumps per tank:	2
5.2	Type of main cargo pumps:	dEEPWELL
5.3	Main cargo pumps Rated Flow:	350.00 Cu. Metres/Hour
	Stripping/Spray Pumps	
5.4	Type of stripping/spray cargo pumps:	
5.5	Number of stripping/spray cargo pumps per tank:	0
5.6	Stripping/spray pumps Rated Flow:	
	Emergency Cargo Pumps	
5.7	Type of emergency pumps:	
5.8	Location of emergency pump:	
5.9	Emergency cargo pump Rated Flow:	
	ESD System	
5.10	IS ESD shore connection available? If yes, state type of connection	Yes , If yes: Pneumatic: Yes Electrical: Yes Fiber Optic: Yes
	Cargo Control Room	
5.11	Is ship fitted with a Cargo Control Room (CCR)?:	Yes
5.12	Can tank innage/ullage be read from the CCR?:	Yes
5.13	Type of Remote Gauging System:	Radar GL-100
5.14	Type of Local Gauging System:	Float FTLG 807
	Gas Compressors – High Duty	
5.15	Number of High Duty compressors:	0
5.16	Type of High Duty Compressors:	
5.17	Capacity of High Duty Compressors:	
	Gas Compressors – Low Duty	
5.18	Number of Low Duty compressor:	0
5.19	Type of Low Duty Compressors:	
5.20	Capacity of Low Duty Compressors:	
	Vaporiser	

5.21	Number of Vaporisers:	0
5.22	Vaporiser Maximum heat exchange capacity:	500 Kilowatt
Reliquefaction		
5.23	Can reliquefaction plant be operated concurrent with loading?:	Yes
5.24	Capacity of reliquefaction plant:	0 Kg/Cu. Metre
5.25	Capacity of GCU (if fitted):	BOG: 1,250 Kilogram per Hour Freeflow: 1,250 Kilogram per Hour

6	INERT GAS	
	Main IG Plant	
6.1	Type of Inert gas system fitted:	
6.2	Inert Gas Capacity:	
6.3	Inert Gas – Lowest dew point achievable:	
	Nitrogen	
6.4	Type of N2 Plant fitted:	PSA Plant
6.5	Capacity of N2 System:	1,000.00 Cu. Metres/Hour
6.6	N2 Generating Plant – Lowest dew point achievable:	-40.00 Degrees Celsius

7.	MANIFOLD					
7.1	Distance bow to vapour line (m):	96.40 Metres				
7.2	Distance stern to vapour line (m):	83.90 Metres				
7.3	Distance of presentation flange from ship side (m):	4,125.00 Millimetres				
7.4	Height above main deck (m):	2,150.00 Millimetres				
7.5	Height above ballast waterline (m):	13,440.00 Millimetres				
7.6	Height above laden waterline (m):	10,560.00 Millimetres				
7.7	Are local pressure gauges fitted outboard of the manifold valves?:	Yes				
7.8	Do manifold arrangements comply with SIGTTO standards?:	Yes				
7.9	Type of Manifold Valve:	Butterfly				
	Reducers					
7.10	Description of ANSI Class 150 reducers carried onboard	Number	From - Diameter (mm)	To - Diameter (mm)	Flange rating (bar)	Length (mm)
		2	300.00	400.00	25.00	600.00
		2	300.00	350.00	25.00	600.00
		2	300.00	300.00	25.00	600.00
		2	300.00	250.00	25.00	600.00
		2	300.00	200.00	25.00	600.00
		2	300.00	150.00	25.00	600.00
		2	200.00	250.00	25.00	600.00
		2	200.00	200.00	25.00	600.00
		2	150.00	150.00	25.00	600.00

8.	PROPULSION			
8.1	Engines	No	Capacity	Make/Type
	Main engine:	2	5,850 Kilowatt	Wartsila Type SL50 DF Tire II
	Aux engine:	2	1,110 Kilowatt	Wartsila 6L20 DF
8.2	What type of fuel is used for main propulsion/generating plant:	Duel Fuel (HFO/MDO/Gas) / Duel Fuel (HFO / MDO)		
8.3	Propeller number and type:	Single, Controllable		
8.4	What is brake horse power of bow thruster (if fitted):	No		

8.5	Capacity of bunker tanks:	Fuel Oil: 1,123.70 Cu. Metres Diesel Oil: 545.70 Cu. Metres Gas Oil: 442.80 Cu. Metres
8.6	Ballast Tank Total Capacity:	8,219 Cu. Metres
9.	SHIP TO SHIP TRANSFER	
9.1	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquified Gas, as applicable)?	Yes

Revised 2019 ([INTERTANKO/Q88.com](http://www.intertanko.com))

Form completed on <http://www.q88.com/integration.aspx> Please email support@q88.com an updated copy if this is not the latest version.