

INTERTANKO Standard Gas Form – LPG

1.	GENERAL INFORMATION	
1.1	Vessel's name (IMO number):	Js Caesar (9577991)
1.2	Flag/Port of Registry:	Singapore/Singapore
1.3	Date delivered/Builder:	May 24, 2012/Sinopacific Offshore & Engineering, Nantong, China
1.4	Hull Type:	Double Bottom
1.5	Call sign/MMSI:	9V9993/566 517 000
1.6	Vessel's contact details (satcom/email):	Tel: +870-773 187 672 / +47 23 67 36 43 Email: js@caesar.evergasships.com
Classification		
1.7	Classification society:	Bureau Veritas
1.8	Class notation:	Liquefied gas carrier; FLS tanker Unrestricted navigation, AUT-UMS, SYS-NEQ, BWE, CLEANSHIP, INWATERSURVEY
1.9	Previous Classification Society (if applicable) / Date of Classification Society Change	DNV GL Aug 05, 2016
1.10	EEDI Rating:	2
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:	Marina Aster Shipping Pte. Ltd. Marina Bay Financial Centre, 8 Marina Boulevard Level 26, Singapore 018981 Singapore Tel: +6565967493 Fax: +6566349568 Telex: Not Applicable Email: operation@evergas.net
1.13	Technical operator - Full style:	Evergas Ship Management Pvt Ltd 21 Ubi Road 1 #06-01, Singapore 408724 Singapore Tel: +65 6904 1939 Fax: +65 6692 0067 Telex: N/A Email: marine@evergas.net Web: www.evergas.net Company IMO#: 5881733
1.14	Commercial operator - Full style:	SHV Gas Supply & Risk Management SAS, Paris 22, place des Vosges La Dfense 5 92979 Paris - La Dfense Cedex France France Tel: + 33 1 49 03 95 87 Fax: + 33 1 49 03 70 87 Telex: Not Applicable Email: lpgops@shvgas-srm.com Web: Not Applicable
1.15	Qualified Individual - Full style:	O'Brien's Response Management 818 Town and Country Blvd., Suite 200 Houston, TX 77024 USA Tel: +1-281-606-4818 (24) Fax: +1-203-857-0428 Email: commandcenter@wittobriens.com Web: www.witobriens.com
Insurance		
1.16	P & I Club - Full Style:	The Britannia Steam Ship Insurance Association Limited Regis House, 45 King William Street, London EC4R 9AN UK Tel: 44 20 7407 3588 Fax: 44 20 7403 3942 Web: www.britanniapandi.com
Dimensions		
1.17	Type of vessel (Fully ref / semi ref / pressurized):	Pressurized
1.18	Length overall (LOA):	99.90 Metres

1.19	Extreme breadth (Beam):			17.40 Metres
1.20	Distance bow to bridge:			77.89 Metres
1.21	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Parallel body length:	22.94 Metres	30.71 Metres	37.42 Metres
	Aft to mid-point manifold:	17.34 Metres	21.23 Metres	25.10 Metres
	Forward to mid-point manifold:	5.60 Metres	9.48 Metres	12.32 Metres

Tonnages				
1.22	Gross Tonnage:			5,036.00
1.23	Net Tonnage:			1,511.00
1.24	Suez Canal Tonnage - Gross (SCGT)/Net (SCNT):		5,559.00	4,447.00

Loadline Information					
1.25	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	4.65 Metres	7.06 Metres	4,986.00 Metric Tonnes	8,422.00 Metric Tonnes
	Winter:	4.65 Metres	7.06 Metres	4,986.00 Metric Tonnes	8,422.00 Metric Tonnes
	Tropical:	4.65 Metres	7.06 Metres	4,986.00 Metric Tonnes	8,422.00 Metric Tonnes
	Normal Ballast Condition:	6.512 Metres	5.20 Metres	2,390.00 Metric Tonnes	5,820.00 Metric Tonnes
1.26	FWA/TPC at summer draft:		145.00 Millimetres	14.55 Metric Tonnes	
1.27	Does vessel have multiple SDWT? If so, please enter Maximum deadweight (mt)		No		

2.	DEADWEIGHTS				
	*All cargoes listed are as per Certificate of Fitness				
	Cargo	Draft Fore' (m)	Draft Aft' (m)	Draft Mean (m)	Corresponding Deadweight (mt)
2.1	Full Cargo (N-Butane) (98%)	6.35	6.55	6.45	4150
2.2	Full Cargo (C-Propane) (98%)	6.24	6.90	6.51	4363
2.3	Full Cargo (Butadiene) (98%)	6.53	6.70	6.62	4480
2.4	Full Cargo (Propylene) (98%)	6.68	6.81	6.75	4551
2.5	Full Cargo (VCM) (98%)	6.27	7.85	7.06	5099
2.6	Full Cargo () (98%)				
2.7	Full Cargo () (98%)				
2.8	Full Cargo () (98%)				
2.9	Full Cargo () (98%)				
2.10	Full Cargo () (98%)				
2.11	Full Cargo (Vinyl Chloride Monomer) (70%)				

3.	CARGO TANK CAPACITIES										
	*All cargoes listed are as per Certificate of Fitness										
		Density	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Total
3.1	Cubic Metre @ 100%	-	1,787.31 Cu. Metres	3,249.28 Cu. Metres							5036.59 Cu. Metres
3.2	Cubic Metre @ 98%	-	1751.56 Cu. Metres	3184.29 Cu. Metres	Cu. Metres	Cu. Metres	Cu. Metres	Cu. Metres	Cu. Metres	Cu. Metres	4,935.85 Cu. Metres
3.3	Cargo 1	0.6020	1014.00	1843.00							
3.4	Cargo 2	0.5830	879.00	1598.00							
3.5	Cargo 3	0.6500	1089.00	1980.00							
3.6	Cargo 4	0.609	898	1633.00							
3.7	Cargo 5	0.969	1597.00	2904.00							
3.8	Cargo 6										
3.9	Cargo 7										
3.10	Cargo 8										
3.11	Cargo 9										
3.12	Cargo 10										
3.13	Vinyl Chloride										

	Monomer (VCM)									
3.14	Additional Comments									

4.	DECK MACHINERY		
	Mooring		
4.1	Number Of Mooring Winches:	Forecastle: 2 Main deck fwd: 0 Main deck aft: 0 Poop deck: 2	
4.2	Mooring lines on drum (Number/Length / Diameter)	None	
4.3	Mooring Lines (Material)	Not Applicable	
4.4	Number of Mooring lines onboard:		
4.5	Mooring ropes on drum (Number/Length / Diameter)	Forecastle: 4 / 190.00 Metres / 44.00 Millimetres Poop: 4 / 120.00 Metres / 46.00 Millimetres	
4.6	Mooring ropes (Material)	Forecastle: Fibre Ropes. Polyester and Polypropylene. Fwd main deck: Not Applicable Aft main deck: Not Applicable Poop: Fibre Ropes. Polyester and Polypropylene.	
4.7	Number of Mooring ropes onboard:	19	
4.8	Ship design minimum breaking load (mt):	47.60 Metric Tonnes	
4.9	Winch Brake holding Capacity (mt):	33.60 Metric Tonnes	
	Lifting Equipment		
4.10	Number of Cranes:	1	
4.11	SWL Of Cranes(mt):	1.50 Metric Tonnes	

5.	MACHINERY AND PROPULSION			
	Engines	No	Power (KW)	Make/Type
5.1	Main Engine:	1	3,000 Kilowatt	MAN 6L 32/40 CD
5.2	Auxiliary Engine:	3	425 Kilowatt	AB Volvo Penta D16 MG
5.3	Main Engine - Type of fuel used:	LS MGO		
5.4	Auxiliary Engine - Type of fuel used:	LS MGO		
	Propulsion			
5.5	Propeller number and type:	Single, Controllable		
5.6	Bow Thruster Power (if fitted)	Yes		
	Bunkers			
5.7	Capacity of bunker tanks:	Fuel Oil: 556.64 Cu. Metres Diesel Oil: 0 Cu. Metres Gas Oil: 131.31 Cu. Metres		
5.8	Ballast Tank Capacity (100%)	1,929.40 Cu. Metres		

6.	CARGO HANDLING				
6.1	Discharging General				
	Number of Cargo tanks: 3				
6.2	Cargo Pumps	Type	No. per tank	Run simultaneously at full capacity	Rate per pump (m3 per hour)
		Deepwell	1	3	200.00 Cu. Metres/Hour
6.3	Number and Capacity of Booster Pumps				
6.4	Max loading rate for homogenous cargo (without vapour return):			450 Cu. Metres/Hour	
6.5	Max loading rate for homogenous cargo per manifold (without vapour return):			450 Cu. Metres/Hour	
	Unpumpables				
6.6	Total Unpumpables		Tank Number	Capacity (m3)	

		2	0.20
		1	0.10
Transport and Carriage Conditions			
6.7	What is the minimum/maximum permissible tank pressure?	-0.30 Kp/Sq. Centimetre	18.60 Kp/Sq. Centimetre
6.8	What is the minimum/maximum permissible tank temperature?	-10.00 Degrees Celsius	45.00 Degrees Celsius
6.9	Does the vessel have a cargo heater? If yes, state capacity of cargo heater	Yes If yes: Max Capacity: 200.0 cbm/hr Min Capacity: 50 Cu. Metres/Hour	
6.10	Number and capacity of Vapouriser	0 <u>Capacity per unit:</u> Ammonia: Nitrogen: Propane:	
6.11	Number and capacity of Cargo Deck Tanks	<u>Capacities:</u> Propane: Butane: Ammonia:	
6.12	IS ESD shore connection available? If yes, state type of connection	Yes , If yes: Pneumatic: No Electrical: Yes Fiber Optic: No	
6.13	Maximum number of grades that can be loaded/carried/discharged simultaneously with complete segregation	2	
6.14	No. of products that can be conditioned by the reliquefaction plant simultaneously	0	

7.	INERT GAS		
	Main IG Plant		
7.1	Inert gas system fitted:	Yes	
7.2	Inert Gas Capacity:		
7.3	Inert Gas – Lowest dew point achievable		
	Nitrogen		
7.4	N2 Plant fitted:	Yes	
7.5	N2 Generating Plant – Lowest dew point achievable	-50.00 Degrees Celsius	

8.	RELIQUEFACTION PLANT		
8.1	Coolant Type:		
8.2	Manufacturer/type of compressors:	Kohler & Horter TWE 8.11/6.1/0	Other
8.3	Number and capacity of compressors:	1	462.00 Cu. Metres/Hour (per unit)
8.4	Are compressors oil free?:	Yes	
	Plant Design Conditions		
8.5	Design temperature conditions - Air	45.00 Degrees Celsius	
8.6	Design temperature conditions - Sea	32.00 Degrees Celsius	

9.	MANIFOLD		
9.1	Type of manifold valve:	Globe	
9.2	Manifold layout (Fwd to Aft):	L1 - V1 - V2 - L2	
9.3	Do manifold arrangements comply with SIGTTO standards?	Yes	
9.4	Liquid manifold size:	8" ASA 300	
9.5	Vapour manifold size:	4" ASA 300	
9.6	Are local pressure gauges fitted outboard of the manifold valve:	Yes	
9.7	Pipe Flange		

Pipe Flanges	Pipe Flange letter	Duty	Rating (bar)	Size	Raised/Flat face
	B	Vapour	25.00	100.00	Flat face
	C	Vapour	25.00	100.00	Flat face
	A	Cargo	25.00	200.00	Flat face
	D	Cargo	25.00	200.00	Flat face
Dimensions					
9.8	Bow to center manifold (BCM)/Stern to center manifold (SCM):		50.07 Metres	49.83 Metres	
9.9	Distance manifold to ship side:		3,100.00 Millimetres		
9.10	Height above uppermost continuous deck:		1,650.00 Millimetres		
9.11	Height of the manifold connections above the waterline at light condition:		8.20 Metres		
9.12	Height of the manifold connections above the waterline at loaded condition:		6.29 Metres		
9.13	Reducers:	No.	Flange Rating	Size	Length
	ANSI Class 300:	8	25.00 bar	200.00 Millimetres	360.00 Millimetres
	ANSI Class 300 to 150:	10	25.00 bar	300.00 Millimetres	340.00 Millimetres
	ANSI Class 150:	0			

10.	SHIP TO SHIP TRANSFER	
10.1	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquefied 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.