INTERTANKO Standard Gas Form - LPG

1.	**GENREAL INFORMATION**				
1.1	Vessels Name (IMO number):	Clipper Posh (9656747)			
1.2	Flag/Port of Registry:	Norway - Stavanger			
1.3	Date delivered/Builder:	16.12.2013 / Hyundai Heavy Industries, Co. Ulsan, Korea			
1.4	Hull Type:	Double Bottom			
1.5	Call sign/MMSI:	LAPX7 / 257919000			
1.6	Vessels contact:	+870773234751 master.clipper.posh@solvangship.no			
Classification					
1.7	Classification society:	DNV			
1.8	Class notation:	+1A1, Tanker for Liquefied Gas, BIS BWM(E(s)) COAT-PSPC(B) E0 NAUT(OC) NAUTICUS(Newbuilding) PLUS TMON			
1.9	Previous Classification Society (if applicable) / Date of Classification Society Change	N/A			
1.10	EEDI Rating:	N/A			
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:	Clipper Shipping AS Strandkaien 36 4005 Stavanger Norway Norway Tel: +4751848400 Fax: +4751848411 Telex: 73319 lpgn Email: maritime.vetting@solvangship.no Web: www.solvangship.no			
1.13	Technical Operator:	Solvang Asa Strandkaien 36 4005 Stavanger, Norway Norway Tel: +4751848400 Fax: +4751848411 Telex: 73319 lpgn Email: maritime.vetting@solvangship.no Web: www.solvangship.no Company IMO#: 1242256			
1.14	Commersial Operator:	Solvang Operation Haakon VII's gt 1. P.O. Box 1737. Vika N-0121, Oslo, Norway Norway Tel: +4722471950 Fax: +4751848411 Telex: N/A Email: operation@solvangship.no			
1.15	Qualified Individual:	Hudson Marine Management Service Ferry Terminal Building, Suite 300 2 Aquarium Drive, Camden, NJ 08103 Tel: +1 856 342 7500/+1 609 505 6856 Fax: +1 856 372 8888 Email: reporting@hudsonmarine.com			
Insurance					
1.16	P & I Club - Full style:	Gard P&I (Bermuda) Ltd. Kittelsbuktveien 31, 4836 Arendal Norway Tel: +4790524100 Email: gard@gard.no			
Dimensions					
1.17	Type of vessel (Fully ref/ semi ref/ pressurized):	Fully ref			
1.18	Length overall (LOA):	225,21 Metres			
1.19	Extreme Breadth (Beam):	36,60 Metres			
1.20	Distance bow to bridge:	148,55 Metres			
1.21	Parallel body distances	**Lightship**	**Normal Ballast**	**Summer Dwt**	
	Parallel body length:	87,73 Metres	87,73 Metres	101,80 Metres	
	Aft to mid-point manifold:	46,92 Metres	46,92 Metres	60,98 Metres	
	Fwd to mid-point manifold:	40,81 Metres	40,81 Metres	40,83 Metres	
Tonnages					
1.22	Gross Tonnage:	48051,00 Tonnes			
1.23	Net Tonnage:	18644,00 Tonnes			
1.24	Suez Canal Tonnage Gross(SCGT)/ Net(SCNT):	50613,40	45516,22		
	Panama Canal Net Tonnage:	39619,00			
Loadline information					
1.25	Loadline:	**Freeboard**	**Draft**	**Deadweigth**	**Displacement**
	Summer	6,650 Metres	12,016 Metres	54999 MT	73713 MT
	Winter	6,900 Metres	11,770 Metres	53282 MT	71996 MT
	Tropical	6,400 Metres	12,270 Metres	56817 MT	75531 MT
	Normal Ballast Condition:	15,430 Metres	7,700 Metres	20050 MT	38750 MT

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1.26	FWA/TPC at summer draft:	261 mm	70,58 MT
1.27	Does vessel have multiple SDWT? If so, please enter Maximum deadweight (mt)	Yes	54999

2	**DEADWEIGHTS** *All cargoes listed are as per Certificate of Fitness				
	Cargo	**Draft Foré (m)**	**Draft Aft´ (m)**	**Draft Mean (m)**	**Corresponding Deadweigth (mt)**
2.1	Butane (98,0%)	11,19	12,09	11,64	52662
2.2	Butane-propane (98,0%)	11,37	12,07	11,72	53140
2.3	Propane (98,0%)	10,70	12,20	11,45	51539
2.4	Propylene (98,0%)	11,28	12,36	11,82	54010

3.	**CARGO TANK CAPACITIES** *All cargoes listed are as per Certificate of Fitness					
		Density	**Tank 1 (m3)**	**Tank 2 (m3)**	**Tank 3 (m3)**	**Tank 4 (m3)**
3.1	100% Capacity		17994	22547	22547	20978
3.2	98% Capacity		17634	22096	22096	20558
3.3	Butane	0,573	10104,4	12661,0	12661,0	11780,0
3.4	Butane-propane	0,594	10474,7	13125,1	13125,1	12211,7
3.5	Propane	0,580	10227,8	12815,7	12815,7	11923,9
3.6	Propylene	0,610	10756,8	13478,6	13478,6	12540,6

4.	**DECK MACHINERY**	
Mooring		
4.1	Number Of Mooring Winches:	Forecast: 3 Maindeck Fwd: 1 Maindeck Aft: 1 Poopdeck: 3
4.2	Mooring lines on drum (Number/Length/Diameter)	Forecast: 6/220,00 m/68,00 Maindeck Fwd: 2/220,00 m/68,00 Maindeck Aft: 2/220,00 m/68,00 Poopdeck: 6/220,00 m/64,00
4.3	Mooring lines (Material)	Forecast: Polyester Maindeck Fwd: Polyester Maindeck Aft: Polyester Poopdeck: Polyester
4.4	Number of Mooring lines onboard:	24
4.5	Ship design minimum breaking load (mt):	88,0
4.6	Winch Brake holding Capacity (mt):	Forecast: 70,40 Maindeck Fwd: 70,40 Maindeck Aft: 70,40 Poopdeck: 70,40
Lifting Equipment		
4.7	Number of Cranes:	Cranes: 1 x 10.00 Tonnes Hose Handling crane Center 10 ton SWL Provision Cranes aft stb/port 4 ton SWL
4.8	SWL Of Cranes(mt):	Cranes: 1 x 10.00 Tonnes Hose Handling crane Center 10 ton SWL Provision Cranes aft stb/port 4 ton SWL

5.	**MACHINERY AND PROPULSIOUN**			
Engines		**No**	**Power (KW)**	**Make/Type**
5.1	Main Engine:	1	12600	Hyundai B&W 6S60MC-C8.1
5.2	Auxiliary Engine:	3	1280	Hyundai-Imsen 8H21/32
5.3	Main Engine - Type of fuel used:	HFO		
5.4	Auxiliary Engine - Type of fuel used:	HFO 380 Cst at 50 deg C		
Propulsion				
5.5	Propeller number and type:	Fixed		
5.6	Bow Thruster Power (if fitted):	No		
Bunkers				
5.7	Capacity of bunker tanks:	Fuel oil:2619,30 Diesel oil: 0,00		
5.8	Ballast Tank Capacity (100%):	349687,2		

6.	**CARGO HANDLING**				
Discharging General					
6.1	Number of Cargo Tanks:	4			
6.2	Cargo Pumps:	**Type**	**No Per Tank**	**Run simultaneously at full capacity**	**Rate per pump (m3 per hour)**
		Centrifugal	2	8	600 (m3/hour)

6.3	Number and Capacity of Booster Pumps:	2 - 600 (m3/hour)
6.4	Max loading rate for homogenous cargo (without vapour return):	4800
6.5	Max loading rate for homogenous cargo per manifold (without vapour return):	2400

Unpumpables

6.6 Total Unpumpables:

Tank Number	Unpumpable (m3)
1	8
2	8
3	8
4	8

Transport and Carriage Conditions

6.7	What is the minimum/maximum permissible tank pressure?	-0,05Kp/Sq. cm	0,40Kp/Sq. cm
6.8	What is the minimum/maximum permissible tank temperature?	-50 °C	N\A
6.9	Does the vessel have a cargo heater? If yes, stat capacity of cargo heater	Yes	
6.10	Number and capacity of Vapouriser	Yes	
6.11	Number and capacity of Cargo Deck Tanks	0	
6.12	IS ESD shore connection available? If yes, state type of connection	Yes	
		If yes, is the ESD system pneumatic?	Yes
		If yes, is the ESD system electrical?	Yes
		If yes, is the ESD system fiber optic?	Yes
6.13	Maximum number of grades that can be loaded/carried/discharged simultaniously with complete segregation		2
6.14	No. of products that can be conditioned by the reliquefaction plant simultaneously		2

7. INERT GAS

Main IG Plant

7.1	Inert Gas system fitted:	Yes
7.2	Inert Gas Capacity:	5300,00
7.3	Inert Gas - Lowest dew point achievable:	-40,00

Nitrogen

7.4	N2 Plant fitted:	
7.5	N2 Generating Plant - Lowest dew point achievable:	

8. RELIQUEFACTION PLANT

8.1	Coolant Type:	Propane for Butane blower	
8.2	Manufacturer/type of compressors:	Burckhardt Compressors 4K165-3P_1	Reciprocating
8.3	Number and capacity of compressors:	2	3000.00 m3/hour
8.4	Are compressors oil free?:	Yes	

Plant Design Conditions

8.5	Design temperature conditions - Air:	45.00 °C
8.6	Design temperature conditions - Sea:	36.00 °C

9. MANIFOLD

9.1	Type of manifold valve:	Butterfly
9.2	Manifold Layout (Fwd to Aft):	Cargo Manifold Dimension A: 7370 Cargo Manifold Dimension B: 5370 Cargo Manifold Dimension C: 3120 Cargo Manifold Dimension D: 870 Cargo Manifold Dimension E: 1380 Cargo Manifold Dimension F: 3630 Cargo Manifold Dimension G: 5880 Cargo Manifold Dimension H: 7880
9.3	Do manifold arrangements comply with SIGTTO standards?:	Yes
9.4	Liquid manifold size:	14
9.5	Vapour manifold size:	10
9.6	Are local pressure gauges fitted outboard of the manifold valve:	Yes

9.7 **Pipe Flange**

Pipe Flange letter	Duty	Rating (bar)	Size	Raised/Flat face
A	Vapour	10.3	10"	Raised
B	Cargo	20.7	14"	Raised
C	Cargo	20.7	14"	Raised
D	Vapour	10.3	10"	Raised
E	Vapour	10.3	10"	Raised
F	Cargo	20.7	14"	Raised

Dimensions					
9.8	Bow to center manifold (BCM)/Stern to center manifold (SCM):			109 Metres	116 Metres
9.9	Distance manifold to ship side:			4250 mm	
9.10	Height above uppermost continous deck:			2110 mm	
9.11	Height of the manifold connections above the waterline at light condition:			20790 mm	
9.12	Height of the manifold connections above the waterline at loaded condition:			12290 mm	
9.13	Reducers:	**No.**	**Flange Rating**	**Size**	**Length**
	ANSI Class 300:	8	21 bar	mm	600 mm
	ANSI Class 300 to 150:	10	bar	mm	mm
	ANSI Class 150:	8	bar	mm	500 mm

10.	**SHIP TO SHIP TRANSFER**	
10.1	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquidfied Gas, as applicable)?	Yes

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