

INTERTANKO Standard Gas Form - LPG

1.	GENREAL INFORMATION				
1.1	Vessels Name (IMO number):	Clipper Vanguard (9789166)			
1.2	Flag/Port of Registry:	Norway - Stavanger			
1.3	Date delivered/Builder:	31.08.2017 / Hyundai Heavy Industries - Ulsan, South Korea			
1.4	Hull Type:	Double Bottom			
1.5	Call sign/MMSI:	LAZK7 / 259138000			
1.6	Vessels contact:	+870 773265909 master.clipper.vanguard@solvanship.no			
Classification					
1.7	Classification society:	DNV			
1.8	Class notation:	+1A1, Tanker for Liquefied Gas, Ship Type 2G, E0, Nauticus(Newbuilding), PLUS,TMON,BIS,BWM-TCOAT-PSPC(B)			
1.9	Previous Classification Society (if applicable) / Date of Classification Society Change	N/A			
1.10	EEDI Rating:	5.98			
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:	PARTREDERIET CLIPPER SIRIUS DA Strandkaaien 36, N 4005 Stavanger, Norway Norway Tel: +47 51848400 Fax: +47 51848411 Email: maritime.vetting@solvanship.no			
1.13	Technical Operator:	Solvang ASA Strandkaaien 36, N 4005 Stavanger, Norway Norway Tel: +47 51848400 Fax: +47 51848411 Email: maritime.vetting@solvanship.no Company IMO#: 1242256			
1.14	Commerial Operator:	Solvang Operation Haakon VII's gt 6. P.O. Box 1737. Vika N-0121, Oslo, Norway Norway Tel: +4722471950 Email: operation@solvanship.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 Fax: +1 856 372 8888 Telex: N/A Web: www.hudsonmarine.com			
Insurance					
1.16	P & I Club - Full style:	Gard P&I (Bermuda) Ltd. Gard P&I (Bermuda) Ltd. Norwegian Branch Kittelbuktveien 31 4836 Arendal Norway			
Dimensions					
1.17	Type of vessel (Fully ref/ semi ref/ pressurized):	Fully ref			
1.18	Length overall (LOA):	229,99 Metres			
1.19	Extreme Breadth (Beam):	32,25 Metres			
1.20	Distance bow to bridge:	152,84 Metres			
1.21	Parallel body distances	Lightship	Normal Ballast	Summer Dwt	
	Parallel body length:	Metres	111,26 Metres	124,27 Metres	
	Aft to mid-point manifold:	Metres	58,86 Metres	71,88 Metres	
	Fwd to mid-point manifold:	Metres	52,40 Metres	52,40 Metres	
Tonnages					
1.22	Gross Tonnage:	46491,00 Tonnes			
1.23	Net Tonnage:	17240,00 Tonnes			
1.24	Suez Canal Tonnage Gross(SCGT)/ Net(SCNT):	50064,32	44667,46		
	Panama Canal Net Tonnage:	42388,00			
Loadline information					
1.25	Loadline:	Freeboard	Draft	Deadweighth	Displacement
	Summer	6,750 Metres	12,020 Metres	50891 MT	69662 MT
	Winter	7,000 Metres	11,770 Metres	49257 MT	68028 MT
	Tropical	6,500 Metres	12,270 Metres	52530 MT	71301 MT
	Normal Ballast Condition:	11,270 Metres	7,500 Metres	17300 MT	35800 MT
1.26	FWA/TPC at summer draft:			266 mm	65,50 MT
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 Foré (m)	Draft Aft' (m)	Draft Mean (m)	Corresponding Deadweight (mt)
2.1	Butane (98,0%)	11,63	12,07	11,85	49879
2.2	Butane-propane (98,0%)	11,46	11,90	11,68	48781
2.3	Commercial propane (%)				
2.4	Propane (98,0%)	11,18	11,94	11,56	48100
2.5	Propylene (98,0%)	11,75	12,11	11,93	50418

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		17181	21070	21054	19664
3.2	98% Capacity		16837	20649	20633	19271
3.3	Butane	0,573	9647,8	11831,6	11822,7	11042,1
3.4	Butane-propane	0,594	10001,4	12265,3	12256,0	11446,8
3.5	Commercial propane	0,493	8300,8	10179,8	10172,0	9500,5
3.6	Propane	0,580	9765,7	11976,2	11967,1	11177,0
3.7	Propylene	0,610	10270,8	12595,6	12586,1	11755,1

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/36,00 Maindeck Fwd: 2/220,00 m/36,00 Maindeck Aft: 2/220,00 m/36,00 Poopdeck: 6/220,00 m/36,00
4.3	Mooring lines (Material) Forecast: HMPE Maindeck Fwd: HMPE Maindeck Aft: HMPE Poopdeck: HMPE
4.4	Number of Mooring lines onboard: 16
4.5	Ship design minimum breaking load (mt): 90,0
4.6	Winch Brake holding Capacity (mt): Forecast: 89,60 Maindeck Fwd: 89,60 Maindeck Aft: 89,60 Poopdeck: 89,60
Lifting Equipment	
4.7	Number of Cranes: Cranes: 1 x 10 Tonnes Center
4.8	SWL Of Cranes(mt): Cranes: 1 x 10 Tonnes Center

5. MACHINERY AND PROPULSION			
Engines	No	Power (KW)	Make/Type
5.1 Main Engine:	1	12020	Hyundai B&W 6G60ME C9.5
5.2 Auxiliary Engine:	3	1200	Himsen 8H21/32
5.3 Main Engine - Type of fuel used:	HFO		
5.4 Auxiliary Engine - Type of fuel used:	HFO		
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:2262,40 Diesel oil:		
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
		Centrifugal	2	8
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	17
		2	18
		3	18
		4	17

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 simultaneously 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:	Seawater
8.2	Manufacturer/type of compressors:	Burckhardt Compression Reciprocating
8.3	Number and capacity of compressors:	3 m3/hour
8.4	Are compressors oil free?:	Yes

Plant Design Conditions

8.5	Design temperature conditions - Air:	50 °C
8.6	Design temperature conditions - Sea:	36 °C

9. MANIFOLD

9.1	Type of manifold valve:	Butterfly				
9.2	Manifold Layout (Fwd to Aft):	Cargo Manifold Dimension B: 350 Cargo Manifold Dimension C: 250 Cargo Manifold Dimension D: 250 Cargo Manifold Dimension E: 350 Cargo Manifold Dimension F: 350 Cargo Manifold Dimension G: 200				
9.3	Do manifold arrangements comply with SIGTTO standards?:	Yes				
9.4	Liquid manifold size:	350				
9.5	Vapour manifold size:	250				
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
		B	Liquid	25	350	Raised
		C	Vapour	16	250	Raised
		D	Vapour	16	250	Raised
		E	Liquid	25	350	Raised
		F	liquid	25	350	Raised
		E	Bunker	8	200	Raised

Dimensions

9.8	Bow to center manifold (BCM)/Stern to center manifold (SCM):	112 Metres	118 Metres
9.9	Distance manifold to ship side:	4206 mm	
9.10	Height above uppermost continous deck:	926 mm	
9.11	Height of the manifold connections above the waterline at light condition:	21010 mm	

9.12	Height of the manifold connections above the waterline at loaded condition:			12780 mm	
9.13	Reducers:	No.	Flange Rating	Size	Length
	ANSI Class 300:	8	25 bar	mm	mm
	ANSI Class 300 to 150:	10	18 bar	mm	mm
	ANSI Class 150:	6	bar	mm	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

Revised 2019 (INTERTANKO/Q88.com)

Form generated with data from <http://www.q88.com> - To the best of owners knowledge all information is true and given without any guarantee