

INTERTANKO Standard Gas Form - LPG

1. GENREAL INFORMATION			
1.1	Vessels Name (IMO number):	Clipper Hermod (9378163)	
1.2	Flag/Port of Registry:	Norway - Stavanger	
1.3	Date delivered/Builder:	14.10.2008 / Jos. L. Meyer, Papenburg / Rostock, Germany	
1.4	Hull Type:	Double Bottom	
1.5	Call sign/MMSI:	LAID6 / 258669000	
1.6	Vessels contact:	VSAT: + 44 2031454099 / Fleet BB +870 773235207 clipper.hermod@solvangship.no	
Classification			
1.7	Classification society:	DNV	
1.8	Class notation:	+1A1 "Tanker for Liquefied Gas", EO, 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):	Yes	
Ownership and Operation / QI			
1.12	Registered Owner:	CLIPPER SHIPPING AS Strandkaien 36, , N-4005 Stavanger, Norway Norway Tel: +47 51848400 Telex: Not Applicable Email: maritime.vetting@solvangship.no Web: www.solvangship.no	
1.13	Technical Operator:	SOLVANG ASA Solvang ASA, Strandkaien 36, N-4005, Stavanger, NORWAY Norway Tel: +47 51848400 Telex: Not Applicable Email: maritime.vetting@solvangship.no Web: www.solvangship.no Company IMO#: 1242256	
1.14	Commercial Operator:	Solvang ASA SOLVANG ASA Haakon VII gt.6 P.O.Box 1737 Vika N-0121 Oslo, NORWAY VAT No.992 197 994 Norway Tel: +47 22471950 Fax: Not Applicable Telex: Not Applicable Email: operation@solvangship.no Web: www.solvangship.no	
1.15	Qualified Individual:	Hudson Marine Management Services 4350 Haddonfield Rd., Suite 302 Pennsauken, NJ 08109 USA Tel: +1 856-486-0800 Fax: +1 856-486-0081 Telex: n/a Email: hmms@hudsonmarine.com	
Insurance			
1.16	P & I Club - Full style:	Gard P&I (Bermuda) Ltd. Gard P&I (Bermuda) Ltd. Kittelsbuktveien 31 N-4809 Arendal Norway Tel: +4737019100 Fax: +4737024810 Email: companymail@gard.no Web: www.gard.no	
Dimensions			
1.17	Type of vessel (Fully ref/ semi ref/ pressurized):	Semi ref	
1.18	Length overall (LOA):	154,95 Metres	
1.19	Extreme Breadth (Beam):	22,73 Metres	
1.20	Distance bow to bridge:	105,45 Metres	
1.21	Parallel body distances	Lightship	Normal Ballast
	Parallel body length:	23,05 Metres	56,40 Metres
	Aft to mid-point manifold:	12,50 Metres	31,30 Metres
	Fwd to mid-point manifold:	10,50 Metres	25,10 Metres
			Summer Dwt
			76,05 Metres
			41,05 Metres
			35,00 Metres
Tonnages			
1.22	Gross Tonnage:	13893,00 Tonnes	
1.23	Net Tonnage:	4388,00 Tonnes	
1.24	Suez Canal Tonnage Gross(SCGT)/ Net(SCNT):	12482,70	12482,70
	Panama Canal Net Tonnage:	15047,10	
Loadline information			

1.25	Loadline:	Freeboard	Draft	Deadweight	Displacement
	Summer	4,380 Metres	10,570 Metres	18861 MT	26353 MT
	Winter	4,600 Metres	10,350 Metres	18139 MT	25691 MT
	Tropical	4,160 Metres	10,790 Metres	19469 MT	27020 MT
	Normal Ballast Condition:	9,500 Metres	5,400 Metres	4624 MT	12175 MT
1.26	FWA/TPC at summer draft:			218 mm	30,00 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	Acetaldehyde (%)				
2.2	Ammonia anhydrous (98,0%)	8,70	8,70	8,70	13279
2.3	Butadiene (98,0%)	8,50	8,50	8,50	12735
2.4	Butane (98,0%)	8,35	8,35	8,35	12382
2.5	Butane-propane (%)				
2.6	Butylene (%)				
2.7	Commercial propane (%)				
2.8	Diethyl Ether (%)				
2.9	Dimethylamine (%)				
2.10	Ethane (98,0%)	7,90	7,90	7,90	11175
2.11	Ethyl Chloride (%)				
2.12	Ethylene (98,0%)	8,00	8,00	8,00	11446
2.13	Etylene/Propylene Oxide (%)				
2.14	Isoprene (98,0%)	8,65	8,65	8,65	13164
2.15	Isopropylamine (%)				
2.16	Methyl Chloride (%)				
2.17	Mixed C4 (%)				
2.18	Monoethylamine (%)				
2.19	Pentane (98,0%)	8,40	8,40	8,40	12457
2.20	Propane (98,0%)	8,45	8,45	8,45	12638
2.21	Propylene (98,0%)	8,30	8,30	8,30	12135
2.22	Propylene Oxide (%)				
2.23	VCM (70,0%)	8,75	8,75	8,75	13460
2.24	Vinyl Ethyl Ether (%)				

3. CARGO TANK CAPACITIES *All cargoes listed are as per Certificate of Fitness					
		Density	Tank 1 (m3)	Tank 2 (m3)	Tank 3 (m3)
3.1	100% Capacity		5516	5613	6004
3.2	98% Capacity		5406	5501	5884
3.3	Acetaldehyde	0,780	4216,4	4290,6	4589,5
3.4	Ammonia anhydrous	0,680	3675,9	3740,5	4001,1
3.5	Butadiene	0,651	3519,1	3581,0	3830,4
3.6	Butane	0,573	3097,5	3151,9	3371,5
3.7	Butane-propane	0,594	3211,0	3267,4	3495,0
3.8	Butylene	0,620	3351,5	3410,5	3648,0
3.9	Commercial propane	0,493	2665,0	2711,9	2900,8
3.10	Diethyl Ether	0,713	3854,2	3922,0	4195,2
3.11	Dimethylamine	0,670	3621,8	3685,5	3942,2
3.12	Ethane	0,544	2940,7	2992,4	3200,9
3.13	Ethyl Chloride	0,920	4973,2	5060,7	5413,2
3.14	Ethylene	0,569	3075,8	3129,9	3348,0
3.15	Etylene/Propylene Oxide	0,830	4486,7	4565,6	4883,7
3.16	Isoprene	0,681	3681,3	3746,0	4006,9
3.17	Isopropylamine	0,722	3902,9	3971,5	4248,2
3.18	Methyl Chloride	0,915	4946,2	5033,2	5383,8
3.19	Mixed C4	0,670	3621,8	3685,5	3942,2
3.20	Monoethylamine	0,689	3724,5	3790,0	4054,0
3.21	Pentane	0,626	3384,0	3443,5	3683,3
3.22	Propane	0,580	3135,3	3190,4	3412,7
3.23	Propylene	0,610	3297,5	3355,5	3589,2
3.24	Propylene Oxide	0,830	4486,7	4565,6	4883,7
3.25	VCM	0,970	3745,4	3811,2	4076,7
3.26	Vinyl Ethyl Ether	0,759	4102,9	4175,1	4465,9

4. DECK MACHINERY				
Mooring				
4.1	Number Of Mooring Winches:	Forecast: 2 Maindeck Fwd: 1 Poopdeck: 2		
4.2	Mooring lines on drum (Number/Length/Diameter)	Forecast: 4/220,00 m/48,00 Maindeck Fwd: 2/220,00 m/48,00 Maindeck Aft: 2/220,00 m/48,00 Poopdeck: 4/220,00 m/48,00		
4.3	Mooring lines (Material)	Forecast: B5 Yarn and Polyester Maindeck Fwd: Yes Maindeck Aft: Yes Poopdeck: B5 Yarn and Polyester		
4.4	Number of Mooring lines onboard:	18		
4.5	Ship design minimum breaking load (mt):	45,9		
4.6	Winch Brake holding Capacity (mt):	Forecast: 36,00 Maindeck Fwd: 36,00 Poopdeck: 36,00		
Lifting Equipment				
4.7	Number of Cranes:	Cranes: 2 x 5.00 Tonnes Midships & Poop deck aft		
4.8	SWL Of Cranes(mt):	Cranes: 2 x 5.00 Tonnes Midships & Poop deck aft		
5. MACHINERY AND PROPULSION				
Engines		No	Power (KW)	Make/Type
5.1	Main Engine:	1	8262	WARTSILA-DU-SULZER/6 RT FLEX 50
5.2	Auxiliary Engine:	3	975	WARTSILA
5.3	Main Engine - Type of fuel used:	HFO		
5.4	Auxiliary Engine - Type of fuel used:	IFO 380		
Propulsion				
5.5	Propeller number and type:	Controllable		
5.6	Bow Thruster Power (if fitted):	1200,00		
Bunkers				
5.7	Capacity of bunker tanks:	Fuel oil:1400,50 Diesel oil: 133,00		
5.8	Ballast Tank Capacity (100%):	349687,2		
6. CARGO HANDLING				
Discharging General				
6.1	Number of Cargo Tanks:	3		
6.2	Cargo Pumps:	Type	No Per Tank	Run simultaneously at full capacity
		Centrifugal	2	6
6.3	Number and Capacity of Booster Pumps:	2 - 300 (m3/hour)		
6.4	Max loading rate for homogenous cargo (without vapour return):	1400		
6.5	Max loading rate for homogenous cargo per manifold (without vapour return):	1400		
Unpumpables				
6.6	Total Unpumpables:	Tank Number	Unpumpable (m3)	
		1	2	
		2	2	
		3	2	
Transport and Carriage Conditions				
6.7	What is the minimum/maximum permissible tank pressure?	-0,30Kp/Sq. cm	4,70Kp/Sq. cm	
6.8	What is the minimum/maximum permissible tank temperature?	-104 °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	1 1 Propane: 72,79 2 Ammonia: 85,34 3 Ethylene: 71,4095		
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:			No	
7.2	Inert Gas Capacity:				
7.3	Inert Gas - Lowest dew point achievable:			0.00	
Nitrogen					
7.4	N2 Plant fitted:			Yes	
7.5	N2 Generating Plant - Lowest dew point achievable:			-50.00	
8. RELIQUEFACTION PLANT					
8.1	Coolant Type:			R404	
8.2	Manufacturer/type of compressors:			Burckhardt (Sulzer) Reciprocating	
8.3	Number and capacity of compressors:			4 600.00 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:			32.00 °C	
9. MANIFOLD					
9.1	Type of manifold valve:			Butterfly	
9.2	Manifold Layout (Fwd to Aft):			Cargo Manifold Dimension A: 2200 Cargo Manifold Dimension B: 3600 Cargo Manifold Dimension C: 6300 Cargo Manifold Dimension D: 10300	
9.3	Do manifold arrangements comply with SIGTTO standards?:			Yes	
9.4	Liquid manifold size:			250	
9.5	Vapour manifold size:			150	
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				Raised Face
	B				Raised Face
	C	Cargo	16.00	250.00	Raised Face
	D	Vapour	3.00	150.00	Raised Face
	E	Vapour	3.00	150.00	Raised Face
	F	Cargo	16.00	200.00	Raised Face
Dimensions					
9.8	Bow to center manifold (BCM)/Stern to center manifold (SCM):			75 Metres	80 Metres
9.9	Distance manifold to ship side:			3600 mm	
9.10	Height above uppermost continuous deck:			2200 mm	
9.11	Height of the manifold connections above the waterline at light condition:			13490 mm	
9.12	Height of the manifold connections above the waterline at loaded condition:			6300 mm	
9.13	Reducers:	No.	Flange Rating	Size	Length
	ANSI Class 300:	15	18 bar	407 mm	397 mm
	ANSI Class 300 to 150:	12	18 bar	mm	mm
	ANSI Class 150:		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 Liquidified Gas, as applicable)?			Yes	

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