INTERTANKO TANKER CHARTERING QUESTIONNAIRE 88 **Version 4**

1.	**VESSEL DESCRIPTION**			
1.1	Date updated:		September 04, 2018	
1.2	Vessel's name (IMO number):		Gas Gloria (9225342)	
1.3	Vessel's previous name(s) and date(s) of change:		Gas Taurus, 25th September 2018	
1.4	Date delivered / Builder (where built):		Jun 29, 2001 / MITSUBISHI HEAVY INDUSTRIES LTD.,JAPAN	
1.5	Flag / Port of Registry:		Liberia / Monrovia	
1.6	Call sign / MMSI:		ELZI5 / 636011454	
1.7	Vessel's contact details (satcom/fax/email etc.):		Tel: Fax: Email: master.gasgloria@benelux-ship.net	
1.8	Type of vessel (as described in Form A or Form B Q1.11 of the IOPPC):		Other	
1.9	Type of hull:		Double Bottom	
Classification				
1.10	Classification society:		Nippon Kaiji Kyokai	
1.11	Class notation:		NS* (Tanker, Liquefied Gases-Maximum Pressure 0.028Mpa and Minimum Temperature -46C Type 2G) (PSM) (IHM) MNS*	
1.12	Is the vessel subject to any conditions of class, class extensions, outstanding memorandums or class recommendations? If yes, give details:		No	
1.13	If classification society changed, name of previous and date of change:		N/A, Not Applicable	
1.14	IMO type, if applicable:		N/A	
1.15	Does the vessel have ice class? If yes, state what level:		No,	
1.16	Date / place of last dry-dock:		Jul 07, 2016 / Chengxi Shipyard(Xinrong), CHINA	
1.17	Date next dry dock due / next annual survey due:		Jul 06, 2019	Sep 25, 2019
1.18	Date of last special survey / next special survey due:		Jul 07, 2016	Jun 28, 2021
1.19	If ship has Condition Assessment Program (CAP), what is the latest overall rating:		Yes, 1	
1.20	Does the vessel have a statement of compliance issued under the provisions of the Condition Assessment Scheme (CAS): If yes, what is the expiry date?		N/A (LPG Tanker, does not come under perview of CAS.)	
Dimensions				
1.21	Length overall (LOA):			230 Metres
1.22	Length between perpendiculars (LBP):			219 Metres
1.23	Extreme breadth (Beam):			36.60 Metres
1.24	Moulded depth:			20.80 Metres
1.25	Keel to masthead (KTM)/ Keel to masthead (KTM) in collapsed condition, if applicable:		47.32 Metres	
1.26	Bow to center manifold (BCM) / Stern to center manifold (SCM):		113.70 Metres	116.30 Metres
1.27	Distance bridge front to center of manifold:			76.80 Metres
1.28	Parallel body distances	Lightship	Normal Ballast	Summer Dwt
	Forward to mid-point manifold:	33.60 Metres	47.40 Metres	55.05 Metres
	Aft to mid-point manifold:	39.80 Metres	50.60 Metres	57.65 Metres
	Parallel body length:	73.40 Metres	98 Metres	112.70 Metres
1.29	FWA/TPC at summer draft:		242 Millimetres	70.30 Metric Tonnes
1.30	Constant (excluding fresh water):			
1.31	What is the company guidelines for Under Keel Clearance (UKC) for this vessel?			
1.32	What is the max height of mast above waterline (air draft)		Full Mast	Collapsed Mast
	Lightship:		44.05 Metres	0 Metres
	Normal ballast:		40.55 Metres	0 Metres
	At loaded summer deadweight:		36.54 Metres	0 Metres

Tonnages			
1.33	Net Tonnage:		13,807
1.34	Gross Tonnage / Reduced Gross Tonnage (if applicable):	46,021	
1.35	Suez Canal Tonnage - Gross (SCGT) / Net (SCNT):	47,938.74	42,778.33
1.36	Panama Canal Net Tonnage (PCNT):		0

Ownership and Operation		
1.37	Registered owner - Full style:	GAS GLORIA SHIPPING AND TRADING S.A. 80 Broad Street, Monrovia, REPUBLIC OF LIBERIA
1.38	Technical operator - Full style:	BENELUX OVERSEAS INC. 48 , POSSIDONOS AVE., GLYFADA, 16675 GREECE Tel: +302108980446 Email: info@benelux-ship.com
1.39	Commercial operator - Full style:	
1.40	Disponent owner - Full style:	N/A

2.	CERTIFICATION	Issued	Last Annual	Expires
2.1	Safety Equipment Certificate (SEC):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.2	Safety Radio Certificate (SRC):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.3	Safety Construction Certificate (SCC):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.4	International Loadline Certificate (ILC):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.5	International Oil Pollution Prevention Certificate (IOPPC):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.6	ISM Safety Management Certificate (SMC):	Sep 26, 2018		Mar 25, 2019
2.7	Document of Compliance (DOC):	May 30, 2018		Sep 28, 2021
2.8	USCG Certificate of Compliance (COC):	N/A		
2.9	Civil Liability Convention (CLC) 1992 Certificate:	Not Applicable	Not Applicable	Not Applicable
2.10	Civil Liability for Bunker Oil Pollution Damage Convention (CLBC) Certificate:	Sep 25, 2018	Not Applicable	Feb 20, 2019
2.11	Ship Sanitation Control (SSCC)/Ship Sanitation Control Exemption (SSCE) Certificate:	Feb 21, 2018	Not Applicable	Aug 21, 2018
2.12	U.S. Certificate of Financial Responsibility (COFR):	N/A	Not Applicable	
2.13	Certificate of Class (COC):	Sep 07, 2016	Not Applicable	Jun 28, 2021
2.14	International Sewage Pollution Prevention Certificate (ISPPC):	Sep 26, 2018	Not Applicable	Jun 28, 2021
2.15	Certificate of Fitness (COF):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.16	International Energy Efficiency Certificate (IEEC):	Sep 26, 2018	Not Applicable	Not Applicable
2.17	International Ship Security Certificate (ISSC):	Sep 26, 2018		Mar 25, 2019
2.18	International Air Pollution Prevention Certificate (IAPPC):	Sep 26, 2018	Jun 27, 2017	Jun 28, 2021
2.19	Maritime Labour Certificate (MLC):	Sep 26, 2018	Not Applicable	Mar 25, 2019

Documentation		
2.20	Owner warrant that vessel is member of ITOPF and will remain so for the entire duration of this voyage/contract:	Yes
2.21	Does vessel have in place a Drug and Alcohol Policy complying with OCIMF guidelines for Control of Drugs and Alcohol Onboard Ship?	Yes
2.22	Is the ITF Special Agreement on board (if applicable)?	
2.23	ITF Blue Card expiry date:	

3.	CREW	
3.1	Nationality of Master:	Ukrainian
3.2	Number and Nationality of Officers:	7 Russian, Montenegro, Filipino
3.3	Number and Nationality of Crew:	16

		Filipino, Russian
3.4	What is the common working language onboard:	ENGLISH
3.5	Do officers speak and understand English?	Yes
3.6	If Officers/Crew employed by a Manning Agency - Full style:	Officers and Ratings: SEA SERVICE SHIPPING CO.SA: VIA LUGANETTO, 3 6962 VIGANELLO (LUGANO-CH). Tel: + 41 91 9761360 Fax: + 41 91 9761365 Email: CREW@SEASERVICE.CH Web: WWW.SEASERVICE.CH MARIMAR SHIPPING CO. 1055 UNIT 3 METROPOLITAN TOWN HOMES, METROPOLITAN AVE., SAN ANTONIO VILLAGE 1203 MAKATI CITY, PHILIPPINES. Tel: + 632 8976364 Fax: + 632 8968720 Email: GMARIMAR@PLDTDSL.NET

4.	**FOR USA CALLS**	
4.1	Has the vessel Operator submitted a Vessel Spill Response Plan to the US Coast Guard which has been approved by official USCG letter?	NO
4.2	Qualified individual (QI) - Full style:	
4.3	Oil Spill Response Organization (OSRO) - Full style:	

5.	**CARGO AND BALLAST HANDLING**				
Double Hull Vessels					
5.1	Is vessel fitted with centerline bulkhead in all cargo tanks? If Yes, solid or perforated:			Yes, Perforated	
Loadline Information					
5.2	Loadline	Freeboard	Draft	Deadweight	Displacement
	Summer:	10.06 Metres	10.78 Metres	49,999 Metric Tonnes	68,078 Metric Tonnes
	Winter:	10.28 Metres	10.56 Metres	48,429 Metric Tonnes	66,508 Metric Tonnes
	Tropical:	9.84 Metres	11.01 Metres	51,577 Metric Tonnes	69,656 Metric Tonnes
	Lightship:	17.57 Metres	3.27 Metres	Not Applicable	18,079 Metric Tonnes
	Normal Ballast Condition:	13.92 Metres	6.92 Metres	23,413 Metric Tonnes	41,492 Metric Tonnes
5.3	Does vessel have multiple SDWT? If yes, please provide all assigned loadlines:			No	
Cargo Tank Capacities					
5.4	Number of cargo tanks and total cubic capacity (98%):				77,342.50 Cu. Metres
5.5	Capacity (98%) of each natural segregation with double valve (specify tanks):				
5.6	Number of slop tanks and total cubic capacity (98%):				0 Cu. Metres
5.7	Specify segregations which slops tanks belong to and their capacity with double valve:				
5.8	Residual/Retention oil tank(s) capacity (98%), if applicable:				
5.9	Does vessel have Segregated Ballast Tanks (SBT) or Clean Ballast Tanks (CBT):			SBT	

SBT Vessels					
5.10	What is total SBT capacity and percentage of SDWT vessel can maintain?			23,757.50 Cu. Metres	48.70 %
5.11	Does vessel meet the requirements of MARPOL Annex I Reg 18.2:			Yes	
Cargo Handling and Pumping Systems					
5.12	How many grades/products can vessel load/discharge with double valve segregation:				2
5.13	Are there any cargo tank filling restrictions? If yes, specify number of slack tanks, max s.g., ullage restrictions etc.:			No NA	
5.14	Pumps	No.	Type	Capacity	At What Head (sg=1.0)
	Cargo Pumps:	8 4	Submerged Submerged	550 M3/HR 250 M3/HR	100 Meters 100 Meters
	Cargo Eductors:				
	Stripping:				
	Ballast Pumps:	2	Centrifugal	750 Cu. Metres/Hour	25 Metres
	Ballast Eductors:	1	Centrifugal Pump Drive	200 Cu. Metres/Hour	
5.15	Max loading rate for homogenous cargo per manifold connection:				2,200 Cu. Metres/Hour
5.16	Max loading rate for homogenous cargo loaded simultaneously through all manifolds:				2,200 Cu. Metres/Hour
5.17	How many cargo pumps can be run simultaneously at full capacity:				All 8 Main Cargo pumps
Cargo Control Room					
5.18	Is ship fitted with a Cargo Control Room (CCR)?				Yes
5.19	Can tank innage / ullage be read from the CCR?				Yes
Gauging and Sampling					
5.20	Can cargo be transferred under closed loading conditions in accordance with ISGOTT 11.1.6.6?				Yes
5.21	What type of fixed closed tank gauging system is fitted:			Electro-magnetic Float type (Reed Switch)	
5.22	Number of portable gauging units (example- MMC) on board:				
5.23	Are overfill (high) alarms fitted? If Yes, indicate whether to all tanks or partial:			Yes, All	
5.24	Are cargo tanks fitted with multipoint gauging? If yes, specify type and locations:			,	
5.25	Is gauging system certified and calibrated? If no, specify which ones are not calibrated:			Yes,	
Vapor Emission Control System (VECS)					
5.26	Is a Vapour Emission Control System (VECS) fitted?			Yes	
5.27	Number/size of VECS manifolds (per side):			2	250 Millimetres
5.28	Number / size / type of VECS reducers:			2 x 300/250mm (12/10") 150 ANSI 4 x 250/200mm (10/8) 150 ANSI 2 x 250/150mm (10/6") 150 ANSI	
Venting					
5.29	State what type of venting system is fitted:			N/A	
Cargo Manifolds and Reducers					
5.30	Does vessel comply with the latest edition of the OCIMF 'Recommendations for Oil Tanker Manifolds and Associated Equipment'?			N/A	
5.31	Total number / size of cargo manifold connections on each side:			3 / 300 Millimetres	
5.32	What type of valves are fitted at manifold:			Butterfly	
5.33	What is the material/rating of the manifold:			Stainless Steel / ANSI 150	
5.34	Does the vessel have a Common Line Manifold connection? If yes, describe:				
5.35	Distance between cargo manifold centers:				2,000 Millimetres
5.36	Distance ships rail to manifold:				4,000 Millimetres
5.37	Distance manifold to ships side:				4,000 Millimetres
5.38	Top of rail to center of manifold:				670 Millimetres

5.39	Distance main deck to center of manifold:	1,770 Millimetres	
5.40	Spill tank grating to center of manifold:	1,150 Millimetres	
5.41	Manifold height above the waterline in normal ballast / at SDWT condition:	15.694 Metres	11.83 Metres
5.42	Number / size / type of reducers:	6 x 400/300mm (16/12") 1 x 400/300mm (16/12") 3 x 400/250mm (16/10") 1 x 150/200mm (6/8") 1 x 150/200mm (6/8") ANSI	
5.43	Is vessel fitted with a stern manifold? If yes, state size:	No,	

Heating

5.44	Cargo / slop tanks fitted with a cargo heating system?	Type	Coiled	Material
	Cargo Tanks:	N/A		
	Slop Tanks:			
5.45	Maximum temperature cargo can be loaded / maintained:			
5.46	Minimum temperature cargo can be loaded / maintained:		-46.0 °C / -50.8 °F	-42.0 °C / -43.6 °F

Coating / Anodes

5.47	Tank Coating	Coated	Type	To What Extent	Anodes
	Cargo tanks:	Yes	Inorganic Zinc Silicate type shop primer	Whole Tank	No
	Ballast tanks:	Yes	Tar Epoxy	Whole Tank	Yes
	Slop tanks:	N/A			

6.	**INERT GAS AND CRUDE OIL WASHING**	
6.1	Is a Crude Oil Washing (COW) installation fitted / operational?	N/A / N/A
6.2	Is an Inert Gas System (IGS) fitted / operational?	Yes / Yes
6.3	Is IGS supplied by flue gas, inert gas (IG) generator and/or nitrogen:	IG Generator

7.	**MOORING**					
7.1	Wires (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	36 Millimetres	WIRE	220 Metres	89.40 Metric Tonnes
	Main deck fwd:	4	36 Millimetres	WIRE	220 Metres	89.40 Metric Tonnes
	Main deck aft:	2	36 Millimetres	WIRE	220 Metres	89.40 Metric Tonnes
	Poop deck:	6	36 Millimetres	WIRE	220 Metres	89.40 Metric Tonnes
7.2	Wire tails	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	4	75 Millimetres	CE COMPOUND	11 Metres	125 Metric Tonnes
	Main deck fwd:	4	75 Millimetres	CE COMPOUND	11 Metres	125 Metric Tonnes
	Main deck aft:	2	75 Millimetres	CE COMPOUND	11 Metres	125 Metric Tonnes
	Poop deck:	6	75 Millimetres	CE COMPOUND	11 Metres	125 Metric Tonnes
7.3	Ropes (on drums)	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	0		Not Applicable		
	Main deck fwd:	0		Not Applicable		
	Main deck aft:	0		Not Applicable		
	Poop deck:	0		Not Applicable		
7.4	Other lines	No.	Diameter	Material	Length	Breaking Strength
	Forecastle:	3	56 Millimetres	Polyester And Pollyolefin	220 Metres	67.70 Metric Tonnes
	Main deck fwd:	1	72 Millimetres	Tufflex	220 Metres	104 Metric Tonnes
	Main deck aft:	1	72 Millimetres	Tufflex	220 Metres	104 Metric Tonnes
	Poop deck:	3	56 Millimetres	Polyester And Pollyolefin	220 Metres	67.70 Metric Tonnes

7.5	Winches	No.	No. Drums	Motive Power	Brake Capacity	Type of Brake
	Forecastle:	2	Double Drums	Electro-hydraulic	45 Metric Tonnes	
	Main deck fwd:	2	Double Drums	Electro-hydraulic	45 Metric Tonnes	
	Main deck aft:	1	Double Drums	Electro-hydraulic	45 Metric Tonnes	
	Poop deck:	3	Double Drums	Electri-hydraulic	45 Metric Tonnes	
7.6	Bitts, closed chocks/fairleads		No. Bitts	SWL Bitts	No. Closed Chocks	SWL Closed Chocks
	Forecastle:		4	2 (70)/ 2 (90)	4	2 (90)/ 2(64)
	Main deck fwd:		8	4 (90)/4(40)	16	12(40)/ 2(90)/ 2(64)
	Main deck aft:		4	2(90)/ 2(40)	10	6(40)/ 2(90)/ 2(64)
	Poop deck:		6	4(64)/ 2(90)	14	4 (40)/ 5(90)/ 5(64)
Anchors/Emergency Towing System						
7.7	Number of shackles on port / starboard cable:				12 / 13	
7.8	Type / SWL of Emergency Towing system forward:				TYPE TK20F	100 Metric Tonnes
7.9	Type / SWL of Emergency Towing system aft:				TYPE TK20A	100 Metric Tonnes
Escort Tug						
7.10	What is size / SWL of closed chock and/or fairleads of enclosed type on stern:				400 MM X 260 MM	100 Metric Tonnes
7.11	What is SWL of bollard on poop deck suitable for escort tug:					70 Metric Tonnes
Bow/Stern Thruster						
7.12	What is brake horse power of bow thruster (if fitted):				No,	
7.13	What is brake horse power of stern thruster (if fitted):				No,	
Single Point Mooring (SPM) Equipment						
7.14	Does the vessel meet the recommendations in the latest edition of OCIMF 'Recommendations for Equipment Employed in the Bow Mooring of Conventional Tankers at Single Point Moorings (SPM)'?				No	
7.15	If fitted, how many chain stoppers:				0	
7.16	State type / SWL of chain stopper(s):					
7.17	What is the maximum size chain diameter the bow stopper(s) can handle:					
7.18	Distance between the bow fairlead and chain stopper/bracket:					
7.19	Is bow chock and/or fairlead of enclosed type of OCIMF recommended size (600mm x 450mm)? If not, give details of size:				N/A	
Lifting Equipment						
7.20	Derrick / Crane description (Number, SWL and location):				Cranes: 1 x 5 Tonnes CENTER	
7.21	What is maximum outreach of cranes / derricks outboard of the ship's side:					1 Metres
Ship To Ship Transfer (STS) / Helicopter Operations						
7.22	Does vessel comply with recommendations contained in OCIMF/ICS Ship To Ship Transfer Guide (Petroleum, Chemicals or Liquified Gas, as applicable)?				Yes	
7.23	Can the ship comply with the ICS Helicopter Guidelines? If Yes, state whether winching or landing area provided and diameter of the circle provided:				Yes, Winching 5 Metres	

8.	**MISCELLANEOUS**		
Engine			
8.1	Speed	Maximum	Economic
	Ballast speed:	16.00 Knots (WSNP)	14.40 Knots (WSNP)
	Laden speed:	15.50 Knots (WSNP)	14.00 Knots (WSNP)
8.2	What type of fuel is used for main propulsion / generating plant:	IFO 380 CST	IFO 380 CST
8.3	Type / Capacity of bunker tanks:	Fuel Oil: 2,775.80 Cu. Metres Diesel Oil: 342.90 Cu. Metres Gas Oil: 37.60 Cu. Metres	

8.4	Is vessel fitted with fixed or controllable pitch propeller(s):		Fixed	
8.5	Engines	No	Capacity	Make/Type
	Main engine:	1	12,360 Kilowatt	MHI 7UEC60LS
	Aux engine:	3	970 Kilowatt	YANMAR 8N21L-EN
	Power packs:			
	Boilers:	1	2.50 Metric Tonnes/Hour	MITSUBISHI VERTICAL CYLINDICAL BOILER
Emissions				
8.6	Main engine IMO NOx emission standard:		Tier I	
8.7	Energy Efficiency Design Index (EEDI) rating number:			
Insurance				
8.8	P & I Club - Full Style:	WEST OF ENGLAND BP 841, 33 BOULEVARD PRINCE HENRI L-1724 LUXEMBOURG Tel: +3524700671 Fax: +352225253 Email: mail@westpandi.com Web: www.westpandi.com		
8.9	P & I Club pollution liability coverage / expiration date:		1,000,000,000 US$	Feb 20, 2019
8.10	Hull & Machinery insured by - Full Style:	BRITANNIA S.A. Greek Branch 13 Hasioti str., Filothei Maroussi 151 23 Athens Greece Tel: +30 210 6857 686-7, Fax: + 30 210 6858 577 e-mail: info@britannia.gr www.britannia.gr TALBOT (Leading Underwriter) 60 Threadneedle Street London EC2R 8HP United Kingdom Phone +44-207-550-3500 Tel: +44-207-550-3500		
8.11	Hull & Machinery insured value / expiration date:		30,000,000.00 US$	25 Sep, 2019
Recent Operational History				
8.12	Date and place of last Port State Control inspection:		N/A	
8.13	Any outstanding deficiencies as reported by any Port State Control? If yes, provide details:			
8.14	Has vessel been involved in a pollution, grounding, serious casualty or collision incident during the past 12 months? If yes, full description:		Pollution: No, Grounding: No, Casualty: No, Collision: No,	
8.15	Last three cargoes / charterers / voyages (Last / 2nd Last / 3rd Last):		P:Propane/B:Butane 1)PPPP/Astomos/Houston-Sodegaura, Ohgishima, Negishi) 2.BPBP/Astomos/ Westernport-Shenzhen,China / Oita,Japan / Aichi, Japan. 3)PPPP/Astomos/Houston- Negishi, Japan	
8.16	Date/place of last STS operation:		09-June-2017, Sohar, Oman	
Vetting				
8.17	Date of last SIRE inspection:		Contact Owners	
8.18	Date of last CDI inspection:		Contact Owners	
8.19	Recent Oil company inspections/screenings (To the best of owners knowledge and without guarantee of acceptance for future business)*: * "*Approvals*" *are not given by Oil Majors and ships are accepted for the voyage on a case by case basis.*			
Additional Information				
8.20	Additional information relating to features of the ship or operational characteristics:			

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