

	Gas Form C	
	Vessel Name:	PGC ARATOS
Last Modified:	7/20/2017 12:58 PM	
Page:	1 of 3	

1	GENERAL		
1.1	Builder & Yard / Hull Number	Cantiere Navale Pessaro	88
1.2	Year Built	2003	
1.3	Flag	Bahamas	
1.4	Signal Letters / Normal Station Watched	C6AW4	N/A
1.5	Classification	Nippon Kaiju Kyokai	
1.6	I.M.O. Certificate of Fitness Expiry	Not Applicable	
1.7	USCG Letter of Compliance Expiry	Not Applicable	

2	DIMENSIONS		
1.1	Length Overall	122.84 Metres	
1.2	Length Between Perpendiculars	115.50 Metres	
1.3	Beam (MLD)	19.02 Metres	
1.4	Depth (MLD)	9.51 Metres	
1.5	Scantling Draught (MLD)		
1.6	LPG Loaded Draught (MLD)	9,328.70 Metric Tons @ Design Draft	
1.7	Design Draft (Extreme)	8.00 Metres	
1.8	Max height of mast above waterline (air draft) in SDWT / Ballast condition	26.5 Metres	28.50 Metres
	Max height of mast in collapsed condition above waterline (air draft) in SDWT / Ballast condition	n/a	
1.9	Height from Keel to top of Mast	34.50 Metres	

3	TONNAGE		
3.1	Deadweight tonnage on LPG loaded draught	9,328.70	
3.2	Gross registered tonnage	7,605	
3.3	Net registered tonnage	2,527	
3.4	Light ship Displacement	3,892	
3.5	Displacement	13,221.30	
3.6	Suez Canal Net Tonnage	7,488	

4	MACHINERY			
4.1	Main engine Type / Max Power / RPM / Fuel Grade	MAK 9M32C	4320KW	600RPM HFO 380
4.2	Main boilers Type / Make	25V0 05		25V0 05
4.3	Maximum / Service Evaporation	6 MT /DAY		
4.4	Electrical Generating # of Sets / Output per unit	CATERPILLAR		3 X 900KW

5	SPEED		
5.1	Guaranteed Service Speed Ballast / Laden	15	15

6	ENERGY CONSUMPTION		
6.1	IFO @ Guaranteed speed Ballast / Laden	19T	19T
	MDO @ Guaranteed speed Ballast / Laden / Port	2	2 & 4.5
6.2	For Inert Gas Generation	101KG/HR	

7	FRESH WATER CAPACITY AND CONSUMPTION	
7.1	Capacity of FW generators	5000LTRS/DAY
7.2	Capacity of Tanks Boiler Feed Domestic	190 M3

8	BUNKER CAPACITY	
8.1	Fuel Oil (density 0.990)	611.97 M3
8.2	Diesel Oil (density 0.990)	183.84 M3

	Gas Form C	
	Vessel Name:	PGC ARATOS
	Last Modified:	7/20/2017 12:58 PM
	Page:	2 of 3

9	CARGO	
9.1	Number	2
9.2	Type of Construction	5% NIKEL STEEL
9.3	Type, Details of Insulation	TYPE C, INDEPENDENT TK
9.4	Minimum Temperature	-104°C
9.5	100% Capacity @ -104°C of # 1 Tank 100% Capacity @ -104°C of # 2 Tank Total 100% Capacity @ -104°C	4387,261 M3 4619,499 M3 9006,760 M3
9.6	Loading or Filling Restrictions	N/A
9.7	The vessel's cargo tanks can be cooled down from ambient temperature for initial loading within	17 HRS
9.8	Cargo Loading Performance. The Vessel is capable of receiving a full cargo (including Slow start and topping up, but excluding cooling of pipes, connecting/disconnecting) in less than ___ hours, provided the cargo tanks are properly cooled down and the vapour return line is suitable for the vessel to use the HD compressors	YES
9.9	Maximum Filling Rate	800M3/H
9.10	Relief valve settings	USGC : 4.1BAR / IMO: 5.7BAR
9.11	Loaded Boil-Off Design Rate during laden voyage shall be equal to or less than ___% of the full loaded cargo per day	N/A

10	CARGO PUMPS	
10.1	Number per Tank	2
10.2	Type and Make	DEEPWELL SVANEHOJ INTL.
10.3	Rated Capacity Each	250M3/H
10.4	Cargo Discharging Performance (If a Vapor connection is not supplied, the vessel should be able to still comply with the this statement generating return using the cargo vaporizer.)	YES

11	SPRAY PUMPS	
11.1	Number per Tank	N/A
11.2	Type and Make	
11.3	Rated Capacity of Each Pump	

12	CARGO INSTRUMENTATION	
12.1	Number & Type of Main Level Gauges & Accuracy	1/UASI806MHNHT18/ ±5mm
12.2	Number & Type of Backup Level Gauges & Accuracy	REPEATER FROM MAIN LEVEL GAUGE
12.3	Number of Temperature Sensors in Each Tank	3
12.4	Position of Temp. Sensors within Cargo Tanks	TOP/MIDDLE/BOTTOM
12.5	No / Type of Pressure Sensors & Accuracy	1 per TK/THOR 2 / ±0.1%

	Gas Form C	
	Vessel Name:	PGC ARATOS
	Last Modified:	7/20/2017 12:58 PM
	Page:	3 of 3

13	INERT GAS GENERATION		
13.1	Type & Make of Equipment	GIN 900-6BUCD SMIT	
13.2	Capacity	900M3/H	
13.3	Quality of N ₂ Gas Quality of CO Gas Quality of CO ₂ Gas Quality of H ₂ Gas Quality of O ₂ Gas	BALANCE, IN EQUAL PARTS MAX 500PPM 14% VOL NIL MAX 0.2% VOL	

14	NITROGEN STORAGE		
14.1	Consumption	N/A	
14.2	Tank Capacity / Pressure	N/A	N/A

15	BALLAST		
15.1	Tank Capacity	3568M3	
15.2	Number & Rating of Ballast pumps	2	400M3/H
15.3	Is Vessel Capable of Loading/discharging ballast concurrent with cargo operations	Yes	Yes

16	GAS COMPRESSORS		
16.1	High Duty	100%	
16.2	Low duty	50%	

17	DECK MACHINERY			
17.1	Mooring Winches	Number	Brake Capacity	Type
	Forecastle Main Deck Forward Main deck Aft Poop Deck	2	22T	
17.2	Size of Ropes	Number	Material	Length
	Forecastle Main Deck Forward Main deck Aft Poop Deck	8	POLYPR+POLYEST PP/PE + PES	200
17.3	Cranes, Derricks, etc : 1 CARGO CRANE of 4T SWL & 1 AFTPROVISION CRANE of 2T SWL			1 Crane x 4.00 mts

18	NAVIGATION & RADIO		
18.1	Navigation Aids	N/A	
18.2	Radio Equipment	GMDSS CONSOLE	

19	CREW MEMBERS		
19.1	Officers Nationality	Romanian	
19.2	Crew Nationality	Romanian	
19.3	Number of Officers / Crew	8	9

END FORM C