

	<b>Gas Form C</b>	
	Vessel Name:	PGC ARATOS
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1	GENERAL		
1.1	Builder & Yard / Hull Number	Cantiere Navale PESARO	88
1.2	Year Built	2001 KEEL LAID, 2003 DELIVERED	
1.3	Flag	MALTA	
1.4	Signal Letters / Normal Station Watched	C6AW4	
1.5	Classification	NIPPON KAIJI KYOKAI // NKK	
1.6	I.M.O. Certificate of Fitness Expiry	28/02/2018	
1.7	USCG Certificate of Compliance Expiry	New COC will be issued on next call	

2	DIMENSIONS		
2.1	Length Overall	122.86	
2.2	Length Between Perpendiculars	115.55	
2.3	Beam (MLD)	19.02	
2.4	Depth (MLD)	9.50	
2.5	Scantling Draught (MLD)		
2.6	LPG Loaded Draught (MLD)	7.10	
2.7	Design Draft (Extreme)		
2.8	Max height of mast above waterline (air draft) in SDWT / Ballast condition	26.50 / 28.50	
	Max height of mast in collapsed condition above waterline (air draft) in SDWT / Ballast condition	N/A	
2.9	Height from Keel to top of Mast	34.50	

3	TONNAGE		
3.1	Deadweight tonnage on LPG loaded draught	9328.70	
3.2	Gross registered tonnage	7605.00	
3.3	Net registered tonnage	2527.00	
3.4	Light ship Displacement	3892.60	
3.5	Displacement	13221.30	
3.6	Suez Canal Net Tonnage	7488.00	


4	MACHINERY			
4.1	Main engine Type / Max Power / RPM / Fuel Grade	MAK9M32C	4320KW	600RPM HFO 380
4.2	Main boilers Type / Make	25VO 05		AALBORGIndustr.
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 0.850)	183.84 M3

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9	<b>CARGO</b>	
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 12 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	<b>CARGO PUMPS</b>	
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	<b>SPRAY PUMPS</b>	
11.1	Number per Tank	N/A
11.2	Type and Make	
11.3	Rated Capacity of Each Pump	

12	<b>CARGO INSTRUMENTATION</b>	
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%

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13	INERT GAS GENERATION		
13.1	Type & Make of Equipment	GIN 900-6BUCD SMIT	
13.2	Capacity	900M3/H	
13.3	Quality of N <sub>2</sub> Gas Quality of CO Gas Quality of CO <sub>2</sub> Gas Quality of H <sub>2</sub> Gas Quality of O <sub>2</sub> 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	

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	2	22T		
	Main Deck Forward	-	-		
	Main deck Aft	-	-		
	Poop Deck	2	22T		
17.2	Size of Ropes	Number	Material	Length	Diameter
	Forecastle	8	POLYPR+POLYEST PP/PE + PES	200	44mm
	Main Deck Forward	-			
	Main deck Aft	-			
	Poop Deck	9		200	44mm
17.3	Cranes, Derricks, etc : 1 CARGO CRANE of 4T SWL & 1 AFT-PROVISION CRANE of 2T SWL				

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

19	CREW MEMBERS		
19.1	Officers Nationality	ROMANIAN & LATVIAN	
19.2	Crew Nationality	ROMANIAN & LATVIAN	
19.3	Number of Officers / Crew	8 / 10	

END FORM C