


Gas Form C

Vessel Name:	PGC PATREAS
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1	GENERAL		
1.1	Builder & Yard / Hull Number	Kyokuyo Shipyard Corp.	S-529
1.2	Year Built	2017	
1.3	Flag	Malta	
1.4	Signal Letters / Normal Station Watched	9HA4579	N/A
1.5	Classification	BV	
1.6	I.M.O. Certificate of Fitness Expiry	21 Oct 2017	
1.7	USCG Letter of Compliance Expiry		

2	DIMENSIONS		
1.1	Length Overall	117.02 meters	
1.2	Length Between Perpendiculars	110.00 meters	
1.3	Beam (MLD)	19.20 meters	
1.4	Depth (MLD)	9.50 meters	
1.5	Scantling Draught (MLD)	6.80 meters	
1.6	LPG Loaded Draught (MLD)	6.776 meters	
1.7	Design Draught (Extreme)	6.814 meters	
1.8	Max height of mast above waterline (air draft) in SDWT / Ballast condition	31.62 meters	
	Max height of mast in collapsed condition above waterline (air draft) in SDWT / Ballast condition	31.62 meters	
1.9	Height from Keel to top of Mast	36.15 meters	

3	TONNAGE		
3.1	Summer Deadweight at corresponding Summer draught 6.8135 m.	6,8610 tonnes	
3.2	Gross registered tonnage	6,248	
3.3	Net registered tonnage	2,095	
3.4	Light ship Displacement	3,970 tonnes	
3.5	Displacement	10,831 tonnes	
3.6	Suez Canal Net Tonnage		

4	MACHINERY			
4.1	Main engine Type / Max Power / RPM / Fuel Grade	Man B&W	2,640 kw	178.0kts 380 cst
4.2	Main boilers Type / Make	Aalborg OC		Alpha Laval
4.3	Maximum / Service Evaporation	0.72mpa		0.69mpa
4.4	Electrical Generating # of Sets / Output per unit	2		480kw

5	SPEED		
5.1	Guaranteed Service Speed Ballast / Laden	15.10kts	13.90kts

6	ENERGY CONSUMPTION		
6.1	IFO @ Guaranteed speed Ballast / Laden	11.0mt	11.0mt
	MDO @ Guaranteed speed Ballast / Laden / Port	1.2mt	1.2mt 3.4mt
6.2	For Inert Gas Generation		

7	FRESH WATER CAPACITY AND CONSUMPTION	
7.1	Capacity of FW generators	10.80m3
7.2	Capacity of Tanks Boiler Feed Domestic	n/a

8	BUNKER CAPACITY	
8.1	Fuel Oil (density 0.990)	499.91mt
8.2	Diesel Oil (density 0.990)	80.23mt



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9	CARGO	
9.1	Number	2
9.2	Type of Construction	2PG
9.3	Type, Details of Insulation	n/a
9.4	Minimum Temperature	-10degC
9.5	100% Capacity @ -163°C of # 1 Tank 100% Capacity @ -163°C of # 1 Tank 100% Capacity @ -163°C of # 1 Tank Total 100% Capacity @ -163°C	
9.6	Loading or Filling Restrictions	None
9.7	The vessel's cargo tanks can be cooled down from ambient temperature for initial loading within	NO
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 _1_ 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	98%
9.10	Relief valve settings	1.77mpa
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	1
10.2	Type and Make	Deepwell Wartsila
10.3	Rated Capacity Each	400m3/hr
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	1
11.2	Type and Make	Centrifugal Taiko Kikai
11.3	Rated Capacity of Each Pump	300m3/h

12	CARGO INSTRUMENTATION	
12.1	Number & Type of Main Level Gauges & Accuracy	2 Magnetic Float +/- 10mm accuracy
12.2	Number & Type of Backup Level Gauges & Accuracy	
12.3	Number of Temperature Sensors in Each Tank	3 sets-Drip proof, 0.7degC accuracy
12.4	Position of Temp. Sensors within Cargo Tanks	Tank dome
12.5	No / Type of Pressure Sensors & Accuracy	2, standard guage, 0.28% accuracy



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13	INERT GAS GENERATION		
13.1	Type & Make of Equipment	PSA type Nitrogen Gas Generating Equipment	
13.2	Capacity	400m3/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	99.9% - 97% <5ppm - <20ppm <0.1% - <3.0%	

14	NITROGEN STORAGE - NO		
14.1	Consumption		
14.2	Tank Capacity / Pressure		

15	BALLAST		
15.1	Tank Capacity	2065.93m3	
15.2	Number & Rating of Ballast pumps	2 x 250m3	
15.3	Is Vessel Capable of Loading/discharging ballast concurrent with cargo operations	Yes	

16	GAS COMPRESSORS		
16.1	High Duty	Yes	
16.2	Low duty	Yes	

17	DECK MACHINERY				
17.1	Mooring Winches	Number	Brake Capacity	Type	
	Forecastle Main Deck Forward Main deck Aft Poop Deck	2 2	24.5t 24.5t	Hydraulic Hydraulic	
17.2	Size of Ropes	Number	Material	Length	Diameter
	Forecastle Main Deck Forward Main deck Aft Poop Deck	8 8	Signal B5 yarn, High performance Polyester	220meters	40mm
17.3	Cranes, Derricks, etc				

18	NAVIGATION & RADIO		
18.1	Navigation Aids	yes	
18.2	Radio Equipment	yes	

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

END FORM C