

**7,500 m3 Fully-Pressurised
Liquified Gas Carrier
Preliminary Particulars of Project S-529**



Registration & Managers	Name	PGC Patreas	Deck	1x Elect-hyd. Steering Gear		
	Hull Number	S-529	Machinery	2x Elect-hyd. Windlass comb. With mooring winch**		
	Flag	Bahamas		2x Elect-hyd mooring winch**		
	Technical Managers	Paradise NSA, Athens		1x Elect-hyd. Hose crane 5t		
	Commercial Managers	Gasmare Srl, Saronno		1x Elect, CPP bow thruster 310kW (nominal thrust 5t) **each 2-split drums & 1 warping end		
Main Dimensions	Length Overall	117.27 m	Cargo Handling System	2x Cargo Tank (insulated) 3,750 m3 each		
	Length B.P.	110.0 m		Design Max Pressure 17.7 bar		
	Breadth mld	19.20 m		Design Min Temperature -10 deg C		
	Depth mld	9.50 m		2x Deepwell Cargo Pumps 400m3/hr x 110m (SG 0.657)		
	Design Draft	5.80 m		1x Booster pump 300m3/hr x 110m (SG 0.657)		
	Scantling Draft	6.80 m		1x Cargo heater 550 m3/h, propane base 18 deg C sea water)		
	Intl. Tonnage	abt 6,400 mt				
	Deadweight Design	abt 5,000 mt				
Certification	Class	NK, NS* (LGC 2PG, PSC-WBT) (PSCM) (IWS) (BWTS) / MNS*				
	Complement	18 Persons				
Cargos Carried	Propane, Propylene, Butane, Butane-Propane mixtures, Butadiene (inhibited), Butylenes (inhibited), VCM, Isoprene, Pentanes, Pentene. 2 segregations for LPG cargoes (common line)		Reliquefaction System	2x Cargo compressor 467 m3/h		
				2x Suction separators		
		2x Cargo Condenser				
		2x Cargo Receiver				
Capacities	Cargo Tank Total	abt 7,500 m3	Propulsion Machinery	1x MAN B&W 6L35MC6.1 Derated (L4) M.C.O. 2,640kW @ 178 rpm C.S.O. 2,376kW @ 171.9 rpm		
	Cargo Tanks	2 x abt 3,750 m3		1x Fixed pitch propeller Fuel 380cst @ 50 degC NOx regulation tier II applied Low sulfur (0.1% m/m) to be considered (MGO cooler, etc.)		
	FO/DO Switch Tanks (Double Sk)	abt 4 x 125 m3				
	DO Tanks Total (Double Skin)	abt 90 m3				
	Fresh Water Tank	abt 200 m3				
	Water Ballast Tanks	2100 m3				
	Grey Water Tank	abt 40 m3				
Performance	Speed at Design Drat with 15% sea margin	Consumption mt/day	Auxiliary Machinery	2x Main Elec generator on DO @ 480 kW		
		FO		DO	1x Emergency elec Gen 96 kW	
		14.1 kts		10.4	9.9	1x Auxiliary boiler
		13.6 kts		8.3	7.9	1x CO2 fire fighting system
	Endurance	abt 13,300 nm		1x Nitrogen generation system @ 400 Nm3/h x 99.9%		
	MGO Cons Idle	abt 0.8 mt/day		1x Ballast Water Treatment system		
	MGO Cons Steaming	abt 1.2 mt/day		Nautical & Radio Equipment		
	MGO Cons Manouvering	abt 3.3 mt/day			2x Radar (X & S Band), 1x Giro compass & auto pilot,	
	MGO Cons Cargo Handling	abt 3.4 mt/day			2x DGPS, 1x AIS, 1x VDR, 1x LRIT, 1x BNWAS, 1x SSAS, 2x ECDIS. Complete GMDSS (A1, A2 & A3 shore based maint.)	

