

**7,000 m3 Semi-Refrigerated/Semi-Pressurised
Liquified Gas Carrier**



Preliminary Particulars of Project S-533

Registration & Managers	Name	PGC Eirini	Deck	1x Elect-hyd. Steering Gear	
	Hull Number	S-533	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) 3,500 m3 each	
	Length B.P.	110.0 m		Design Max Pressure 8.5 bar	
	Breadth mld	19.20 m		Design Min Temperature -51 deg C	
	Depth mld	9.50 m		2x Deepwell Cargo Pumps 260m3/hr x 120m (SG 0.973)	
	Design Draft	5.80 m		1x Booster pump 260m3/hr x 120m (SG 0.973)	
	Scantling Draft	6.80 m		1x Cargo heater 250 m3/h, propane base 16 deg C sea water)	
	Intl. Tonnage	abt 7,250		1x Deck tank (80 m3 , Fully pressurized, Design pressure 18 bar g, Design temp. -51 deg C	
	Deadweight Design	abt 4,700 mt		1x LPG indirect vaporizer 500Nm3 /h , Heating medium: 50%/50% fresh water / glycol	
Certification	Deadweight Scantling	abt 6,600 mt		1x Bethioua (manifold D1) compliance	
	Class: NK, NS* (LGC 2PG, PSPC-WBT) (PSCM) (IWS) (BWTS) / MNS Complement	18 Persons			
Cargos Carried	Ammonia anhydrous, Propane, Propylene, Butane, Butane-Propane mixtures, Butadiene, Butylenes, VCM, Isoprene , Pentanes, Pentene, Commercial Propane up to 8% mol ethane in liquid phase at 1.013 bar				
	Capacities	Cargo Tank Total	abt 7,000 m3	Reliquefaction System	2x Cargo compressor 460 m3/h
Cargo Tanks		2 x abt 3,500 m3	2x Suction separators		
Deck Tank		abt 80 m3	2x Cargo Condenser		
FO/DO Switch Tanks (Double Skin)		abt 4 x 125 m3	2x Cargo Receiver	Propulsion Machinery	
DO Tanks Total (Double Skin)		abt 90 m3	1x MAN B&W 6L35MC6.1 Derated (L4) M.C.O. 2,640kW @ 178 rpm C.S.O. 2,376kW @ 171.9 rpm		
Fresh Water Tank		abt 190 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.)		
Water Ballast Tanks		3800 m3			
Grey Water Tank	abt 40 m3		Auxiliary Machinery		
Performance	Speed at Design Drat with 15% sea margin	Consumption mt/day		Nautical & Radio Equipment	
					FO
		14.1 kts	10.4		9.9
		13.6 kts	8.3	7.9	
	Endurance	abt 13,800 nm		2x Radar (X & S Band), 1x Giro compass & auto pilot, 2x DGPS, 1x AIS, 1x VDR, 1x LRIT, 1x BNWAS, 1x SSAS, 2x ECDIS. Complete GMDSS (A1, A2 & A3 shore based maint.)	
	MGO at Sea, no Cargo eqpt	abt 1.6 mt/day			
	MGO at Sea, Pressurising	abt 3.4 mt/day			
	MGO at Seat, Pressg & Cooling	abt 5.7 mt/day			
	MGO in Port, Idle	abt 1.1 mt/day			
	MGO Loading at 1 bar	abt 3.1 mt/day			
	MGO Loading at max Press	abt 5.9 mt/day			
	MGO Discharging	abt 3.6 mt/day			

