

**7,500 m3 Fully-Pressurised
Liquified Gas Carrier
Preliminary Particulars of Project S-530**



Registration & Managers	Name	PGC Periklis	Deck	1x	Elect-hyd. Steering Gear		
	Hull Number	S-530	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)		
Main Dimensions	Length Overall	117.27 m			**each 2-split drums & 1 warping end		
	Length B.P.	110.0 m	Cargo Handling System	2x	Cargo Tank (insulated) 3,750 m3 each		
	Breadth mld	19.20 m			Design Max Pressure 17.7 bar		
	Depth mld	9.50 m			Design Min Temperature -10 deg C		
	Design Draft	5.80 m		2x	Deepwell Cargo Pumps 400m3/hr x 110m (SG 0.657)		
	Scantling Draft	6.80 m		1x	Booster pump 300m3/hr x 110m (SG 0.657)		
	Intl. Tonnage	abt 6,400 mt		1x	Cargo heater 550 m3/h, propane base		
	Deadweight Design	abt 5,000 mt			18 deg C sea water)		
Deadweight Scantling	abt 6,800 mt						
Certification	Class	NK, NS* (LGC 2PG, PSPC-WBT) (PSCM) (IWS) (BWTS) / MNS*	Reliquefaction System	2x	Cargo compressor 467 m3/h		
	Complement	18 Persons		2x	Suction separators		
Cargos Carried	Propane, Propylene, Butane, Butane-Propane mixtures, Butadiene (inhibited), Butylenes (inhibited), VCM, Isoprene, Pentanes, Pentene. 2 segregations for LPG cargoes (common line)		2x	Cargo Condenser			
			2x	Cargo Receiver			
Capacities	Cargo Tank Total	abt 7,500 m3	Propulsion Machinery	1x	MAN B&W 6L35MC6.1 Derated (L4)		
	Cargo Tanks	2 x abt 3,750 m3			M.C.O. 2,640kW @ 178 rpm		
	FO/DO Switch Tanks (Double Sk)	abt 4 x 125 m3			C.S.O. 2,376kW @ 171.9 rpm		
	DO Tanks Total (Double Skin)	abt 90 m3		1x	Fixed pitch propeller		
	Fresh Water Tank	abt 200 m3			Fuel 380cst @ 50 degC		
	Water Ballast Tanks	2100 m3			NOx regulation tier II applied		
	Grey Water Tank	abt 40 m3			Low sulfur (0.1% m/m) to be considered (MGO cooler, etc.)		
Performance	Speed at Design Drat with 15% sea margin	Consumption mt/day		Auxiliary Machinery	2x	Main Elec generator on DO @ 480 kW	
		14.1 kts	10.4		9.9	1x	Emergency elec Gen 96 kW
		13.6 kts	8.3		7.9	1x	Auxiliary boiler
	Endurance	abt 13,300 nm			1x	CO2 fire fighting system	
		MGO Cons Idle	abt 0.8 mt/day		1x	Nitrogen generation system @ 400 Nm3/h x 99.9%	
		MGO Cons Steaming	abt 1.2 mt/day		1x	Ballast Water Treatment system	
MGO Cons Manouvering	abt 3.3 mt/day		Nautical & Radio Equipment	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.)		

