

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



**Preliminary Particulars of Project S-532**

<b>Registration &amp; Managers</b>	Name	PGC Taormina		<b>Deck</b>	1x Elect-hyd. Steering Gear	
	Hull Number	S-532		<b>Machinery</b>	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		
<b>Main Dimensions</b>	Length Overall	117.27 m		<b>Cargo Handling System</b>	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 mt			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	
<b>Certification</b>	Class: NK, NS* (LGC 2PG, PSPC-WBT) (PSCM) (IWS) (BWTS) / MNS Complement	18 Persons		1x Bethioua (manifold D1) compliance		
	<b>Cargos Carried</b>	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				
<b>Capacities</b>	Cargo Tank Total	abt 7,000 m3		<b>Reliquefaction System</b>	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		
	DO Tanks Total (Double Skin)	abt 90 m3		<b>Propulsion Machinery</b>	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	
	Water Ballast Tanks	3800 m3			Fuel 380cst @ 50 degC	
Grey Water Tank	abt 40 m3		NOx regulation tier II applied			
<b>Performance</b>	Speed at Design Drat with 15% sea margin	Consumption mt/day		<b>Auxiliary Machinery</b>	3x Main Elec generator on DO @680 kW	
		FO	or 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 13,800 nm			1x Nitrogen generation system @ 400 Nm3/h x 99.9%	
	MGO at Sea, no Cargo eqpt	abt 1.6 mt/day			1x Ballast Water Treatment system	
	MGO at Sea, Pressurising	abt 3.4 mt/day			<b>Nautical &amp; Radio Equipment</b>	2x Radar (X & S Band), 1x Giro compass & auto pilot,
	MGO at Seat, Pressg & Cooling	abt 5.7 mt/day				2x DGPS, 1x AIS, 1x VDR, 1x LRIT, 1x BNWAS, 1x SSAS, 2x
	MGO in Port, Idle	abt 1.1 mt/day				ECDIS. Complete GMDSS (A1, A2 & A3 shore based maint.)
	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					

