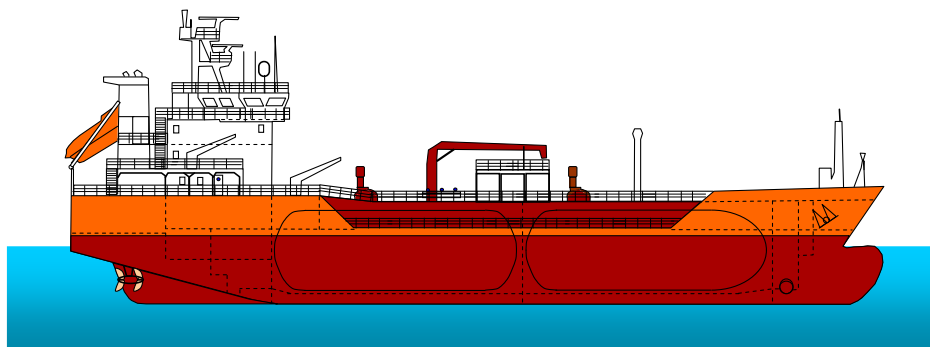




m.v. "MARTE"

3000 m³ S.P./ F.R. LPG CARRIER



Principal Particulars

GENERAL

Delivery	2004
Flag	Italian
Class	Rina
Call sign	IBSR
USCG	fitted

MAIN DIMENSIONS

Loa	75.00 m	Mean draft LPG	5.90 m
Lpp	69.70 m	Deadweight (LPG draft)	2,466 t
Beam	14.20 m		
Depth	7.50 m	Mean summer draft (VCM)	6.49 m
Gross tonnage	2718	Deadweight (VCM draft)	3,090 t
Nett tonnage	850		

SPEED, CONSUMPTION, MACHINERY

Service speed (LPG draft)	13.0 kn (max 4 Bft)	Steaming range	5,700 nm
Service speed (ballast draft)	13.5 kn (max 4 Bft)		
Propulsion electric motors	ASI Robicon, 2 x 1050 kW	Fuel consumption:	
Propellers	Schottel, Azimuthal STP 1010 LS	Gen. sets pressure holding	11.0 t/day
Generator sets	Yanmar, 6N21AL, 4 x 800 kW	Gen. sets cooling down	13.0 t/day
Bow thruster	300 kW	Aux. eng. in port	2.0 t/day

CARGO INSTALLATION

Max. tankpressure (IMO)	12.0 barg	Loading rate	680 m ³ /hr
Min. tankpressure	-0.3 barg	Discharging	1,000 m ³ /hr
Min. tanktemperature	-48 °C	Deepwell pumps	4 x 250 m ³ /hr at 120 mLC
Cargo segregation	2	Booster pumps	1 x 250 m ³ /hr at 120 mLC
		Cargo heater	125 m ³ /hr
Cooling down: propane +20°C to -42,8°C	220 hrs	Manifold vapour connections	2x4 "
		liquid connections	2x8 "
Inert gas plant	-	distance from stern	32.00 m

CARGO TANKS

	ammonia	butane	butadiene	butylene	propane	propylene	vcm	volume
Sp.grav [t/m ³]	0.681	0.600	0.653	0.625	0.582	0.614	0.972	98%
At temp. [°C]	-33.4	-0.5	-4.5	-6.0	-42.8	-47.7	-13.8	
Cap. tank 1 [t]	942	830	904	865	805	850	1,345	1,393 m ³
Cap. tank 2 [t]	1055	930	1,012	968	902	951	1,506	1,546 m ³
Total cap. [t]	1997	1,760	1,916	1,833	1,707	1,801	2,851	2,940 m ³