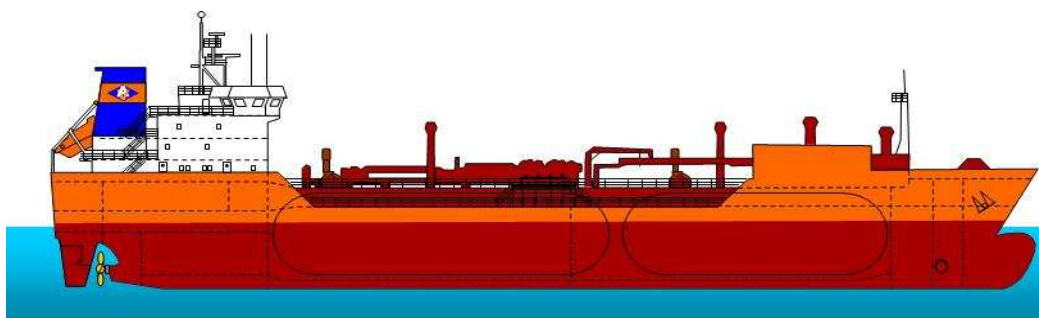




m.v. "CORAL LOPHELIA"

5600 m³ LPG/ ETHYLENE CARRIER



Principal Particulars

GENERAL

Delivery	2006
Flag	Dutch
Class	Bureau Veritas
Call sign	PHGI
USCG	fitted

MAIN DIMENSIONS

Loa	108.00 m	Mean draft LPG	6.25 m
Lpp	100.96 m	Deadweight (LPG draft)	4,150 t
Beam	16.80 m		
Depth	9.40 m	Mean summer draft (VCM)	7.50 m
Gross tonnage	5400	Deadweight (VCM draft)	6,175 t
Nett tonnage	1620		

SPEED, CONSUMPTION, MACHINERY

Service speed (LPG draft)	14.5 kn (max 4 Bft)	Steaming range	10,500 nm
Service speed (ballast draft)	15.0 kn (max 4 Bft)		
Main engine	MAK, 4500 kW	Fuel consumption:	
Auxiliary engines	Cat 3508 DITA SCAC, 3 x 910 kW	Main engine	17.1 t/day
Shaft generator	1,100 kW	Aux. eng. pressure holding	- t/day
Bow thruster	450 kW	Aux. eng. cooling down	3.5 t/day
		Aux. eng. in port	3.0 t/day

CARGO INSTALLATION

Max. tankpressure (IMO)	6.5 barg	Loading rate	900 m3/hr
Min. tankpressure	-0.3 barg	Discharging	900 m3/hr
Min. tanktemperature	-104 °C	Deepwell pumps	3 x 300 m3/hr at 120 mLC
Cargo segregation	2	Booster pumps	1 x 250 m3/hr at 120 mLC
		Cargo heater	250 m3/hr
Cooling down:			
ethylene -98°C to -102°C	35 hrs	Manifold vapour connections	1x4", 1x6 "
		liquid connections	1x6", 1x8 "
Inert gas plant	high capacity N2 generating plant upto 0.1% O2 contents	distance from stern	54.00 m

CARGO TANKS

Filling 98%:	ammonia	butane	butadiene	ethylene	propane	propylene	p.oxide	vcm	volume
Sp.grav [t/m3]	0.681	0.600	0.653	0.569	0.582	0.614	0.830	0.972	98%
At temperature [°C]	-33.4	-0.5	-4.5	-104.0	-42.8	-47.7	15.0	-13.8	
Capacity tank 1 [t]	1,165	1,026	1,117	973	995	1,050	1,419	1,662	1,710 m3
Capacity tank 2 [t]	2,573	2,267	2,467	2,150	2,199	2,320	3,136	3,672	3,778 m3
	-	-	-	-	-	-	-	-	m3
Total capacity [t]	3,737	3,293	3,584	3,123	3,194	3,370	4,555	5,334	5,488 m3