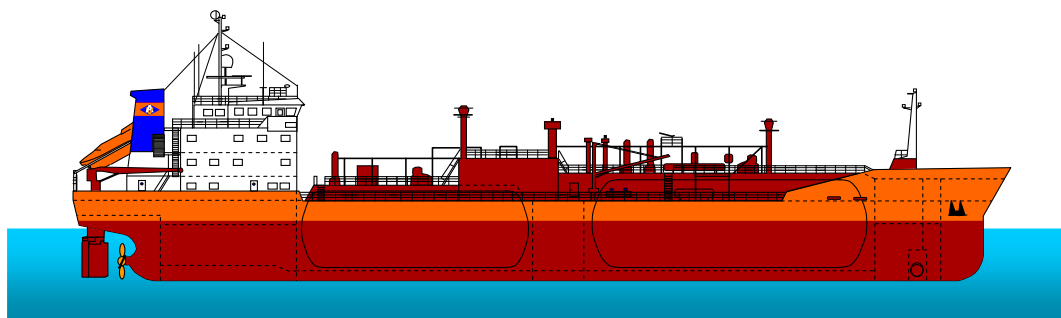




m.v. "PRINS JOHAN WILLEM FRISO"

4200 m<sup>3</sup> LPG/ ETHYLENE CARRIER



### Principal Particulars

#### GENERAL

Delivery	1989
Flag	Liberian
Class	Bureau Veritas
Call sign	A8GS4
USCG	fitted

#### MAIN DIMENSIONS

Loa	97.37 m	Mean draft LPG	5.70 m
Lpp	91.40 m	Deadweight (LPG draft)	3,727 t
Beam	15.80 m		
Depth	9.00 m	Mean summer draft (VCM)	6.62 m
Gross tonnage	3862	Deadweight (VCM draft)	4,905 t
Nett tonnage	1158		

#### SPEED, CONSUMPTION, MACHINERY

Service speed (LPG draft)	13.5 kn (max 4 Bft)	Steaming range	8,000 nm
Service speed (ballast draft)	14.5 kn (max 4 Bft)		
Main engine	Sulzer, 6 ZA 40 S, 3960 kW	Fuel consumption:	
Auxiliary engines	Sulzer, 6S20, 2 x 732 kW	Main engine	16.0 t/day
Shaft generator	1,350 kW	Aux. eng. pressure holding	0.5 t/day
Bow thruster	257 kW	Aux. eng. cooling down	1.5 t/day
		Aux. eng. in port	1.0 t/day

#### CARGO INSTALLATION

Max. tankpressure (IMO)	4.5 barg	Loading rate	600 m3/hr
Min. tankpressure	-0.5 barg	Discharging	600 m3/hr
Min. tanktemperature	-104 °C	Deepwell pumps	4 x 155 m3/hr at 120 mLC
Cargo segregation	2	Booster pumps	1 x 240 m3/hr at 120 mLC
		Cargo heater	120 m3/hr
Cooling down:			
ethylene -98°C to -102°C	hrs	Manifold vapour connections	1x6 "
		liquid connections	1x8 "
Inert gas plant	high capacity IG plant upto 0.1% O2 contents	distance from stern	57.30 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]	1,349	1,189	1,294	1,128	1,153	1,217	1,645	1,926	1,982 m3
Capacity tank 2 [t]	1,466	1,292	1,406	1,225	1,253	1,322	1,787	2,093	2,153 m3
Total capacity [t]	2,816	2,481	2,700	2,353	2,406	2,539	3,432	4,019	4,135 m3