

## 6,000 m<sup>3</sup> LPG-Carrier MT "Baltic Viking" for HYDRO AGRICULTURE INTERNATIONAL, Norway

### Project Data:

#### **Shipyard:**

DAEWOO HEAVY INDUSTRIES,  
Korea

**Year of completion:** 2000

**Classification:** DNV

#### **TGE scope:**

EPCS-contract, gas handling  
system

#### **Vessel:**

6,000 m<sup>3</sup> semi ref. LPG carrier,  
type 2G

Length o.a.	115.00 m
Beam:	15.96 m
Depth (main deck):	10.80 m
Draught (LPG):	6.55 m
Speed:	15.50 kn



### Characteristics of gas plant:

Capacity:	6,000 m <sup>3</sup>
Number of cargo tanks:	3 (bilobe type)
• Material:	NV 4 – 4L
Cargoes:	LPG/NH <sub>3</sub> /VCM
Design temperature / pressure:	-48 °C/ 5.0 bar g acc. to IMO 3.2 bar g acc. to USCG
Maximum cargo density:	972 kg/m <sup>3</sup>
Number of segregations:	2
Cargo manifolds:	2 liquid lines, 2 x 8", ANSI 300 lbs flanges 2 vapour lines, 2 x 6", ANSI 300 lbs flanges
Loading-/Unloading-rate:	600 m <sup>3</sup> /h / 600 m <sup>3</sup> /h
• Deepwell pumps:	6 x 100 m <sup>3</sup> /h at 120 m LC
• Booster pumps:	2 x 200 m <sup>3</sup> /h at 120 m LC
• Number of cargo heater /vaporizer:	1 direct sea-water heated type
• Capacity:	200 m <sup>3</sup> /h propane from -42°C to 0°C at 15°C Sea-water temperature

### Reliquefaction system:

Direct cycle  
3 x SULZER compressor

### Cargo piping system:

Stainless steel, AISI 321; DIN Mat.-No.: 1.4541

### Inertgas plant:

- Capacity: PSA type nitrogen generation  
600 Nm<sup>3</sup>/h at 99.5 vol. % purity