

## 2 x 4,200 m<sup>3</sup> LPG-Carrier MT "Coral Meandra / Coral Millepora" for ANTHONY VEDER GROUP, The Netherlands

### Project Data:

#### Shipyard:

SHANGHAI EDWARD, China

Year of completion: 1996/ 1997

Classification: GL

#### TGE scope:

EPCS-contract, gas handling system & cargo tanks

#### Vessel:

4,200 m<sup>3</sup> semi ref. LPG carrier, type 2G

Length o.a.	97.5 m
Beam:	15.3 m
Depth (main deck):	8.6 m
Draught (LPG):	5.6 m
Speed:	14.0 kn



### Characteristics of gas plant:

- Capacity: 4,200 m<sup>3</sup>
- Number of cargo tanks: 2 (1 bilobe + 1 cylindrical type)
- Material: 13 MnNi 63; DIN Mat.-No.: 1.6217
- Cargoes: LPG/NH<sub>3</sub>/VCM/PO
- Design temperature / pressure: -48°C / 9.0 bar g acc. to IMO  
6.3 bar g acc. to USCG
- Maximum cargo density: 972 kg/m<sup>3</sup>
- Number of segregations: 1
- Cargo manifolds: 1 liquid line, 1 x 8", ANSI 300 lbs flanges  
2 vapour lines, 2 x 4" ANSI 300 lbs flanges
- Loading-/ Unloading rate: 600 m<sup>3</sup>/h / 600 m<sup>3</sup>/h
- Deepwell pumps: 3 x 200 m<sup>3</sup>/h at 120 m LC
- Booster pumps: 1 x 240 m<sup>3</sup>/h at 120 m LC
- Number of cargo heater/ vaporizer: 1 direct sea-water heated type
- Capacity: 130 m<sup>3</sup>/h Propane from -42°C to -2°C at 15°C  
Sea-water temperature

### Reliquefaction system:

Direct cycle  
2 x SULZER compressor

### Cargo piping system:

stainless steel, AISI 321, DIN Mat.-No.: 1.4541

### Inertgas plant:

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