

3,750 m³ LPG-Carrier MT "Coral Obelia" for ANTHONY VEDER GROUP, The Netherlands

Project Data:

Shipyard:

SHANGHAI EDWARD, China

Year of completion: 1996

Classification: GL

TGE scope:

EPCS-contract, gas handling system & cargo tanks

Vessel:

3,750 m³ semi ref. LPG carrier,
type 2PG

Length o.a.	93.0 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: 3,750 m³
- Number of cargo tanks: 2 (1 bilobe + 1 cylindrical type)
- Material: Low temperature carbon steel, 13 MnNi 63
- Cargoes: LPG/NH₃/VCM
- Design temperature / pressure: -48°C / 9.0 bar g acc. to IMO
7.0 bar g acc. to USCG
- Maximum cargo density: 972 kg/m³
- Number of segregations: 1
- Cargo manifolds: 1 liquid line, 1 x 8", ANSI 300 lbs flanges
1 vapour line, 1 x 6" ANSI 300 lbs flanges
- Loading-/ Unloading rate: 600 m³/h / 600 m³/h
- Deepwell pumps: 3 x 200 m³/h at 120 m LC
- Booster pumps: 1 x 240 m³/h at 120 m LC
- Number of cargo heater/ vaporizer: 1 direct sea-water heated type
- Capacity: 150 m³/h Propane from -42°C to -0°C at 15°C
Sea-water temperature

Reliquefaction system:

Direct cycle
2 x SULZER compressor

Cargo piping system:

stainless steel, AISI 316L

Inertgas plant:

- Capacity: PSA type nitrogen generation
340 Nm³/h at 99.5 vol. % purity