

2 x 5,200 m³ LPG-Carrier MT "Jadegas / Jümmegas" for HARTMANN SCHIFFAHRTSGESELLSCHAFT, Germany

Project Data:

Shipyard:

PATTJE SHIPYARD, Netherlands

Year of completion: 1992

Classification: GL

TGE scope:

Turn-key contract,
gas handling system & cargo tanks

Vessel:

5,200 m³ semi ref. LPG-carrier,
type 2PG

| | |
|--------------------|---------|
| Length o.a. | 113.2 m |
| Beam: | 15.9 m |
| Depth (main deck): | 9.7 m |
| Draught (LPG): | 7.0 m |
| Speed: | 14.0 kn |



Characteristics of gas plant:

- Capacity: 5,200 m³
- Number of cargo tanks: 4 (cylindrical type)
- Material: 13 MnNi 63; DIN Mat.-No.: 1.6217
- Cargoes: LPG/NH₃/VCM/Chemicals
- Design temperature / pressure: -48°C / 9.5 bar g acc. to IMO
7,0 bar g acc. to USCG
- Maximum cargo density: 972 kg/m³
- Number of segregations: 2
- Cargo manifolds: 2 liquid lines, 2 x 6", ANSI 300 lbs flanges
2 vapour lines, 2 x 4" ANSI 300 lbs flanges
- Loading-/ Unloading rate: 600 m³/h / 600 m³/h
- Deepwell pumps: 4 x 150 m³/h at 120 m LC
- Booster pumps: 1 x 260 m³/h at 120 m LC
- Number of cargo heater: 2 indirectly heated by cargo type
- Capacity: 225 m³/h Propane from -42°C to -2°C at 10°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
500 Nm³/h at 99.5 vol. % purity