

3 x 7,200 m³ LPG-Carrier MT "Metaltanque IV-VI" for METALNAVE S.A., BRAZIL

Project Data:

Shipyard:

ETALEIRO ITAJAI, BRAZIL

Year of completion: 2003/2004

Classification: BV

TGE scope: EPCS-contract, gas handling system & cargo tanks material

Vessel:

7,200 m³ fully press LPG carrier, type 2PG

Length o.a.	124.0 m
Beam:	17.6 m
Depth (main deck):	9.8 m
Draught (LPG):	5.2 m
Speed:	14.5 kn



Characteristics of gas plant:

Capacity:

7,200 m³

Number of cargo tanks:

3 (cylindrical type)

• Material:

High strength steel TSTE 620 V

Cargoes:

LPG/VCM

Design temperature / pressure:

-10°C/ 17.6 bar g acc. to IMO

5.3 bar g acc. to USCG

Maximum cargo density:

950 kg/m³

Number of segregations:

2

Cargo manifolds:

2 liquid lines, 1 x 6", 1 x 8" ANSI 300 lbs flanges

2 vapour lines, 2 x 4" ANSI 300 lbs flanges

Loading-/Unloading-rate:

750 m³/h / 750 m³/h

• Deepwell pumps:

3 x 250 m³/h/at 120 m LC

Number of cargo heater:

1, direct sea-water heated type

• Capacity:

550 m³/h propane from -45°C to 0°C at 18°C

Gastransfer compression:

1 oil-free reciprocating compressor

Capacity 420 – 480 m³/h

Cargo piping system:

LT-carbon steel, DIN Mat.-No.: 1.0356