

15,600 cbm LNG-Carrier
'Coral Energy'
for ANTHONY VEDER, The Netherlands

Project Data: 2493

Shipyard:

Meyer-Werft, Germany

Year of completion: 2012

Classification: BV

TGE's scope:

EPCS-contract, gas handling system



Vessel:

15,600 m³ semi ref. LNG carrier, type 2G

Length o.a. 154.95 m

Beam: 22.7 m

Draught (LPG):

Speed: 16.0 kn

Characteristics of gas plant:

Capacity: 15,600 m³

Number of cargo tanks: 3

Material of cargo tanks: 9 % Ni Steel

Cargoes: LNG

Design temperature / pressure: -163°C / 4.5 bar g acc. to IMO at sea

Maximum cargo density: 650 kg/m³

Number of segregations: 1

Cargo manifolds:

Midship: 1 liquid line, 1 x 10" ANSI 300 lbs flanges

1 vapour line, 1 x 8" ANSI 300 lbs flanges

Elevated: 1 liquid line, 1 x 10" ANSI 150 lbs flanges

1 vapour line, 1 x 8" ANSI 150 lbs flanges

Loading- / Unloadingrate: 1.620 m³/h (with vapour return)

Deepwell pump 6 x 270 m³/h at 210 m LC for LNG

Booster pump

BOG-handling & fuel gas system:

2 x cargo compressors with intercoolers

2 x aftercoolers

2 x submerged fuel gas pumps

1 x forcing vaporizer

1 x fuel gas buffer tank

1 x fuel gas metering system

Cargo piping system:

Stainless steel, AISI 316L

Nitrogen generation plant:

Membrane system

Capacity: 80 Nm³/h at 3 vol. % O₂