

Liquefied Gas Tanker

LPG / NH3 / VCM

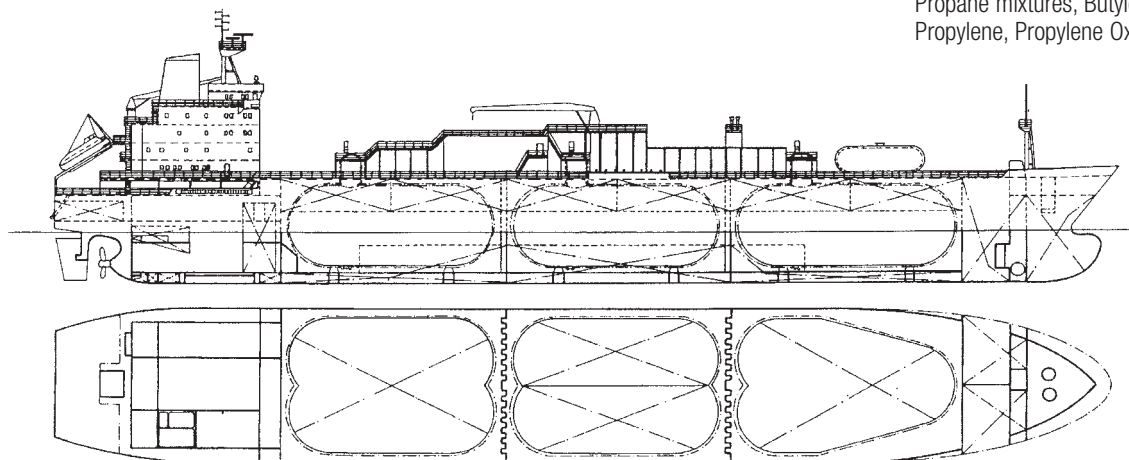
15,000 CU. M.

Designed by: Shipyard 3.MAJ
 Project No.: 2588
 Classification: Germanischer Lloyd ⚓ 100 A4 E1
 "Liquified Gas Tanker Type 2G" ⚓ MC E1 AUT, INERT

Lenght over all	157.00 m
Length btw perp.	146.90 m
Breadth moulded	22.80 m
Depth moulded	15.40 m
Draught design	7.50 m
Draught scantling	9.25 m
Deadweight, at draught 7.50 m	10,500 t
Deadweight, at draught 9.25 m	16,000 t
Main engine: 3.MAJ - SULZER	6 RTA 52
MCR:	8,400 kW / 130 rpm
Trial speed at 7,50 draught and 6,490 kW for propulsion only	17.00 knots

Cargoes:

Ammonia anhydrous, Butadiene, Butane, Butane Propane mixtures, Butylene, Isoprene, Propane, Propylene, Propylene Oxide, Vynil Chloride.



Capacities:

No. 1 tank	4,672 m ³
No. 2 tank (2 x 2,607 m ³)	5,214 m ³
No. 3 tank	5,214 m ³
Total (cargo)	15,100 m ³

Provisions:

Heavy fuel oil	1,146 m ³
Diesel fuel oil	116 m ³
Fresh water	100 m ³

Ballast Water	4,683 m ³
HFO consumption of M.E. (85% MCR)	29.2 t / 24 hours
Crew complement	25

Cargo system:

- 3 horizontal insulated bilobe type tanks, max. pressure 4 bar gauge, min. temp. -48 deg. C max. density 0.972 t / m³
- System designed for loading, reliquefying and discharging two independent cargoes.

- El. driven, stainless steel pumps designed for density 0.972 t / m³, 120 mlC, and - 48 deg. C, (6 multistage deep well pumps of 250 m³/h + 2 centrifugal, single stage, booster pumps of 250 m³/h).
- Reliquefaction plant for cooling down and maintenance of preset temperature/pressure consists of: 2 open cycle units (each comprising: 1 compressor, 1 suction separator, 1 economizer/intercooler, instrumentation, etc.), 2 additional compressors (serving both reliquefaction units) and 2 gas condensers.
- 2 pairs of pressure relief valves to each tank, with set point one pair 5.2 bar and other pair 3.2 bar.
- Inert gas system for production of nitrogen used for feeding holds and/or tanks purging operation.
- Cargo control room for control and sounding equipment arranged in accommodation.