

Cylindrical cryogenic tanker for the transport and supply of LNG, 58 m³ capacity, 44 TN MAM chassis.



LTC58

GENERAL FEATURES

- Type: Cylindrical, chassis-mounted.
- Nominal volume: 58 m³.
- Maximum authorised mass (MAM): 44 mt.
- Section: Circular.
- External tank diameter 2,550 mm.
- Total tank length* 13,800 mm.
- Total vehicle length* 14,000 mm.
- Tractor head tare* 7.5 mt.
- Semitrailer tare* 12.5 mt.
- Load capacity 95%* 23 mt (a 3 bar).
- Load capacity 88%* 21 mt (a 0 bar).
- Load capacity (MAM 44 mt)* 24 mt.
- No. of manholes: No manhole.

INSPECTION

- Tank body: 100% X-ray
- Tests: according to ADR/TPED (EN-13530).
- Certified tests:
 - Resistance test.
 - Helium leak testing.
 - Volume check.
 - Tightness test.
 - Interior inspection.

DESIGN

- TPED 2010/35/EU approved, compliant with directive 2014/103/EU, IMDG (short distances).
- Design code: UNE-EN-13530.
- ADR transport regulations.
- Classes 2.
- Products to be transported: LNG (UN 1972), methane (UN 1972), ethane (UN 1961), ethylene (UN 1038), nitrogen (UN 1977).
- Maximum operating pressure: 3 bar.
- Test pressure 5.2 bar.
- Design temperature: -196°C + 50°C.
- Material inner tank in austenitic stainless steel.
- Thermal insulation: Multilayer insulation + vacuum.

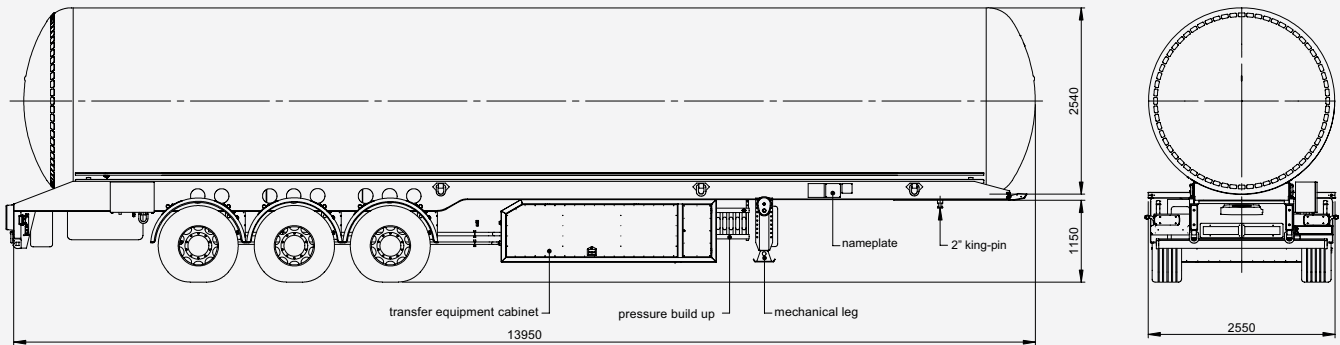
FINISHES

- Anti-corrosive primer + polyurethane top coat.

ACCESSORIES INCLUDED

- Discharge pump with pressure build up.
- Volumetric flow meter.
- Cabinet for loading/unloading equipment.
- Toolbox.
- Powder fire extinguishers.

(*) guideline values.



CONTROL AND SAFETY FITTINGS

- Safety valves.
- High point stopcock. Mechanical level.
- Filling level and pressure indicator.
- Manual and automatic relief valves on pipes.
- Internal valves on connections to tank.
- Control panel.

LOADING AND UNLOADING

- Valves-liquid phase loading and unloading.
- Valves-gas phase loading and unloading.
- Valves-liquid phase pressure build up.
- PBU vaporiser.
- Discharge valves on both sides of the truck.

WHEELS, SUPPORTS AND KING-PIN

- Three axles with 20" wheel hub.
- Pneumatic suspension.
- Two wheels per axle. Disc brakes 430 x 45.
- Ruedas 385/62 R22,5 (continental).
- Aluminium wheel rims with semi-polished finish.
- 2" King-pin.
- Telescopic mechanical legs: 50 ton static load, 24 ton elevated load.
- Lashing rings.
- Electrical installation: 24 V, two 7-pole connections.
- Rear lights with six functions.
- Aluminium rear bumper.
- Mudguards.
- Boxes for fire extinguishers.
- Underrun protection bars.
- Marking according to ADR.

SCHEMATIC DIAGRAM LNG TANKER LTC58

CS	3-way valve (safety)
VS	Safety valve
VA	Pressure relief valve
ri	Bottom level valve
rs	Top level valve
N	Level
Mv	Vacuum gauge device
Pe	Casing safety device
Tv	Vacuum connection
FG	Gas phase
FL	Liquid phase
VR	Maximum filling valve
V*	Manual valves
VN*	Pneumatic bottom valve

