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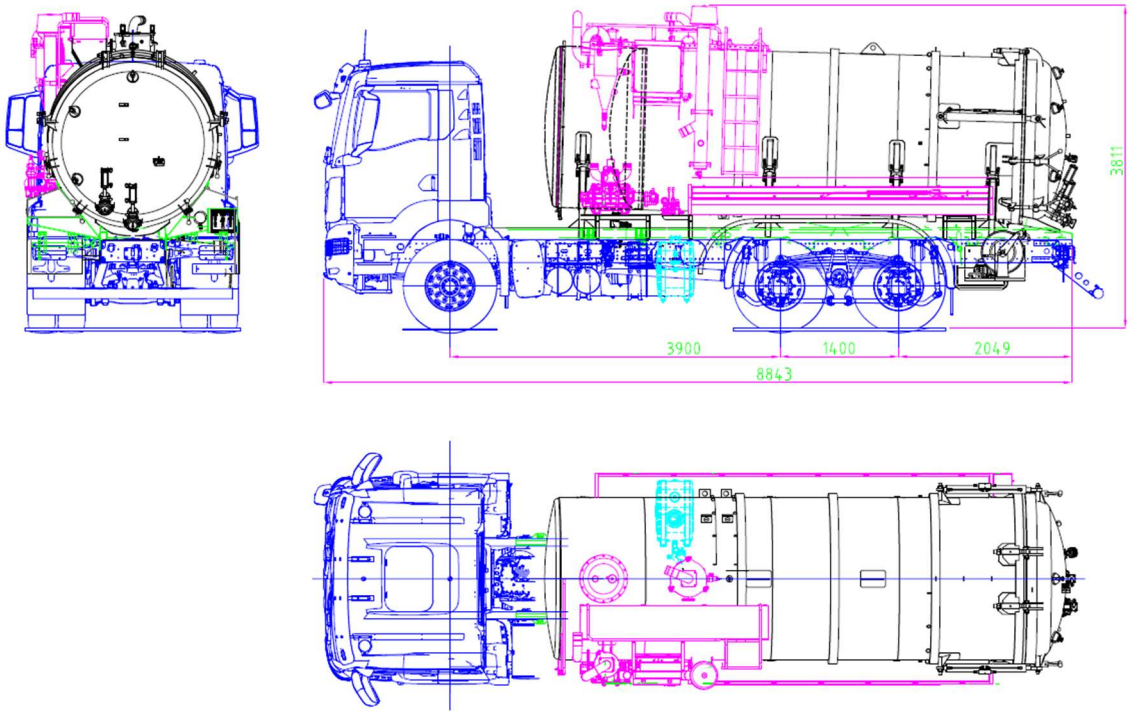
A GTE COMPANY

TECHNICAL DESCRIPTION

SUBJECT: sewage tank, 17.000l capacity (15.000l dirty water+2.000l clear water), with vacuum system and hydraulically openable rear tailgate, installed on your installed on your TGS 33.400 6x4 BB CH wheelbase 3900







TANK

- circular section, constructed in steel sheet S355, thickness 5mm, 15.000l capacity approx. with cold bent ends, and suitable to the truck technical features.
- internal antisloshing baffles, external reinforcement rings
- rear tailgate, hydraulically openable by means of hydraulic pistons, complete with safety locks
- eye level indicator placed on the rear end
- bolted manhole for inspection purposes prearranged with access ladder and working platform
- n.1 overflow valve and floater
- n.1 rear gate valve 4" for loading with pneumatic control
- n.1 rear gate valve 4" for unloading with pneumatic control, placed on the centre of the lower part of the tank

- n.1 clean water compartment, 2000l capacity, placed on the front side of the tank, with loading hatchway, visual level indicator and piping connection to high pressure pump

SUPPORTING STRUCTURE

counterframe made in tubular steel, suitable for use in off road and in tough conditions. The flexible connections between the truck chassis and the counterframe have the function to compensate the torsion in a way to absorb all the stress which runs through the tank from the chassis. The counterframe is built in accordance with the truck bodybuilder regulations for installation.

Supporting saddles in steel bent according to the shape of the tank.
The saddles are strengthened with steel connection plates and welded to the counterframe Slip in steel sheet fitted on the rear overhang

VACUUM SYSTEM

Vacuum pump, installed between the cab and the tank, hydraulically driven, capacity 15.000 l/min (900 m3/h)
Max vacuum: 95% (at the suction manifold)
Max working pressure: 0,80 bar (at the delivery manifold)
The pump is equipped with a newly designed high performance air injection cooling system enabling continuous operation at low temperatures and at 70% range of vacuum allowing longer running times also at maximum vacuum
Automatic lubrication pump with incorporated oil tank and air filter
Silencer with filter and oil recovery
Inverter vacuum/compression by means of air piston
Safety valves
Rigid and flexible piping for connection to the tank

DECANTER

n.1 decanter complete with floater and pilot light level indicator placed between vacuum pump and floater inside the tank to avoid that liquid or other material enter into the vacuum pump.

WASHING HP PUMP

piston type water pump, hydraulically driven, complete with filter, adjusting valve, having the following characteristics:

capacity	35 l/1'
pressure	150 bar

n.1 hose reel in stainless steel with 25m of HP hose, automatic winding, complete with washing lance.

POWER TRANSMISSION with hydraulic system

- Pto coupled with hydraulic pump
- hydraulic engines for equipment driving
- oil tank with suitable heat exchanger
- piping, valves and whatever else necessary for the correct functioning of the system

SIDE HOSE CARRIERS

steel side hose carriers, open, with structure and steel profiles. The bottom is in galvanized steel with holes for water drainage

The carriers are prearranged with elastic belts for fixing the pipes during transportation

CONTROLS AND INSTRUMENTS

Control panel placed on the rear side, including:

- vacuum /pressure gauge
- control switches for pump
- vacuum/pressure tap control
- loading and unloading gate valves control
- power feed pilot light for control panel with switch inside the cab

PAINTING

Painting and first coat of the tank and the metallic structure in anticorrosive paint. The tank is painted internally with plasticized bituminous enamel and externally with paint in the colour requested.

ACCESSORIES

- n.1 adjustable working light placed on the rear side
- n.1 galvanized rigid pipe 2m
- n.1 curve 45° DN100 with sight glass for liquid passage control, and ball couplings DN100
- n.4 rubber hoses DN 100, 4 m each, with couplings
- Spare wheel carrier provided with the truck (so not included)

The data refers to environmental conditions of 20°C and pressure of 1 bar.
The tests have been carried out with liquid having absolute weight of 1 kg/dm3.