TECHNICAL DESCRIPTION CSPCC 5676E- comm. 2769

SUBJECT: Tank for liquids suction and high pressure washing, total capacity 12.500 (11.000l dirty water+ 1.500l clean water)installed on your Iveco AD380T38H 6x4 3800 wheelbase

TANK

circular section, constructed in steel sheet, thickness 5 mm, total capacity 12500

11000 l Dirty water compartment with internal ant sloshing baffles, external reinforcement rings, glass level indicators on the rear end, and inspection hatchway diam. 450 mm

- n.1 overflow primary valve with floater (inside the tank)
- n.1 decanter complete with floater and level indicator placed between vacuum pump and primary valve to prevent that liquid or other material enter into the pump.
- n.1 rear pneumatic gate valve DN 100 for loading
- n.1 rear pneumatic gate valve DN 100 for unloading
- rear end hydraulically openable by using hydraulic pistons

1500l clean water compartment, capacity, placed on the front side of the tank, with loading hatchway, visual level indicator and piping connection to high pressure pump

SUPPORTING STRUCTURE

Re-enforced counterframe tilted towards the rear end elastically bolted onto the chassis of the vehicle
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
Steel slip applied to the rear overhang
open side hose carriers in steel sheet with holes for water drainage

VACUUM PUMP

Vacuum pump, hydraulically driven, maxi. capacity 10.000 l/min (600 m3/h)
Max vacuum: 95% (at the suction manifold)
Max working pressure: 0,80 bar (at the delivery manifold)
Air cooled, lubricating pump with oil tank
silencer with oil recovery filter
Inverter vacuum/compression by means of air piston
Safety valves
Connected by rigid and flexible tubing to the tank.

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

- power take off coupled to hydraulic pump
- hydraulic engines for equipment functioning
- suitable oil reservoir and heat exchanger
- piping, valves and whatever else necessary for the correct functioning of the system

CONTROLS AND INSTUMENTS

Control panel including:
- pressure gauge for water pump
- vacuum / pressure gauge for vacuum pump
- control switches and equipment control

PAINTING

External treatment of the tank and the metal structure with sandblasting treatment, first coat in anticorrosive material and polyurethane paint in the colour requested. Internally, the tank is treated with epoxy- bituminous enamel

ACCESSORIES that complete the equipment:

- n.1 adjustable working light placed on the rear end
- n.1 suction galvanized rigid tube 2 m long
- n.4 rubber hoses DN 100, 3 m long complete with quick connections on the end
- mud guards in galvanized sheet with rubber edge
- spare wheel holder, position to be defined according to the available space

The vacuum pump 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.

Spare parts for one year operation

composed of:

vacuum pump
- n.1 series of gaskets
- n.1 series of oil seals
- n.1 series of tubes for lubrication
- n.1 series of vanes

High pressure pump
- n.1 series of gaskets
- n.1 water filter cartridge

Tank
- n.1 series of glass level indicator
- n.1 oil filter cartridge for hydraulic equipment
- n.1 filter cartridge for pump suction
- n.1 pneumatic piston for rear gate valves
- n.1 series of vacuum pipes for connection of vacuum pump, primary valve, decanter, filter