

SUBJECT: lubricating and greasing unit with hydraulic system and fuel tank 5.000l capacity, installed on your suitable vehicle chassis

LUBRICATING UNIT AND FITTED EQUIPMENT

dimensions:

- length mm 4800 approx.
- width mm 2450 approx.
- height mm 2300 approx.

Supporting structure in tubular profiles and cold bent steel sheet electrically welded to a sub frame in channel steel, bolted to the main beams of the vehicle chassis.

The floor of the platform is covered in chequered steel plate, thickness 3+2 mm.

Sturdy columns are welded to the platform and support the roof of the van.

Covering roof made of steel frame with front wall and roof in steel sheet, side walls closed by sliding tarpaulins.

inside the van, the following equipment are installed

- compressor, screw type 60 m³/H (1000l/1')
working pressure max. 13 bar
installed power 12 KW
driven by hydraulic engine
complete with protection case
- n.1 air tank, cylindrical, 200 l capacity fitted with safety valve, condensation discharger, air intake tap, graduated pressure gauge

Battery of hose reels as follows

- n.3 hose reel for oil, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The winder is fitted with a suitable ½" rubber hose, 15 m long
a delivery gun with litre counter is fitted on the end of the hose
- n.1 hose reel for grease, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The winder is fitted with a suitable ¼ rubber hose, 15 m long
A grease delivery gun is fitted at the end of the winder
- n.1 hose reel for HP water, in stainless steel, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The winder is fitted with a suitable 3/8 rubber hose, 15 m long
A washing lance is fitted at the end of the winder

- n.1 hose reel for coolant, in stainless steel, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. the winder is fitted with a suitable ½ rubber hose, 15 m long
A delivery gun is fitted at the end of the winder
- n.1 hose reel for air with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The winder is fitted with a suitable ½ rubber hose, 15 m long
a quick joint is installed on the end of the winder, where the following delivery guns can be connected:
 - blowing gun
 - spraying gun for air-diesel or air-water washing
 - tyre inflating gun with pressure gauge

All the winders are installed one besides the other. The delivery guns at the end of the hoses are placed into a suitable collecting tray.

On the platform there are 5 seats (3 oil+1 grease + 1 coolant) for positioning standard 180 kg drums complete with the necessary fittings for quick and secure fixing of the drums. The grease drum is supplied complete with cover and follower plate.

For delivery of oils, grease and coolant, we supply the following pumps:

- n. 3 air operated pump for oil 50W, suitable to be fitted on 180 kg drum, ratio 5:1, complete with quick joints for air intake and oil delivery
free flow max. capacity 18l/1'
- n. 1 air operated pump for grease, suitable to be fitted on 180 kg drum, ratio 1:50, complete with quick joints for air intake and grease delivery
free flow max. capacity =1.500 gr/1'
- n. 1 air operated pump for coolant in stainless steel, suitable to be fitted on 180 kg drum ratio 1:1, complete with quick joints for air intake and coolant delivery
free flow max. capacity 30l/1'

PNEUMATIC EQUIPMENT: for the feeding of the various services, with rubber connecting tubes between compressor, air tank, and pumps, suitable for liquids transport, and relative working pressures; dehumidifying filter and air tank reducer downstream, for the pressure adjustment, where it's necessary.

EXHAUST OIL TANK:

- n.1 tank for exhaust oil in steel sheet, complete with fixing brackets, capacity 400l complete with loading hatch, level indicator, unloading tap
- pneumatic diaphragm pump, 50-70l/1' capacity connected to the exhaust oil tank unloading hatch
- n.1 hose reel connected to the pump suction hatch, with automatic rewinding by means of a spring device, block system, and supporting frame for guide rollers. The winder is fitted with a suitable 3/4 rubber hose, 10 m long with quick coupling for connecting eventual probe to extract exhaust oil from engine carter

FUEL SERVICE

Tank capacity 5.000 l for fuel, complete with:

- loading hatch with breathing valve
- external level indicator with floater
- pneumatic bottom valve
- n.2 flexible hose with quick coupling on the ends placed in suitable lockable carriers
- supporting frame in steel sheet installed according to the installation norms
- Positive displacement pump for fuel, max. capacity 300l/1', driven by means of a hydraulic engine
- Suitable piping, gate valves and connections allow the fuel loading, unloading and transfer
- Positive displacement meter with mechanical head having partial measuring at 5 resettable digits and total measuring at 8 non resettable digits, capacity 400l/1', complete with filter, degasser and air check valve and filter
- hose reel with hydraulic winding, having 20 m of 1½" hose and delivery gun.

HP WATER SERVICE

- HP water pump for cold water, driven by a hydraulic engine, capacity 30l/1', pressure 150 bar complete with pressure regulator
- water tank in stainless steel 300l complete with loading hatch, level indicator and couplings for pump, hoses for loading and unloading operations

HYADRAULIC SYSTEM

a hydraulic system is installed to drive the compressor, the HP water pump, the fuel pump, composed of:

- hydraulic pump connected to the vehicle PTO
- hydraulic engine
- control distributor
- oil tank
- piping, valves and accessories

The following equipment are also included:

- n.1 rotating crane fixed to the platform for lifting drums, with central column in thick steel pipe, monorail along which a carriage with a chain block 500 kg capacity can slide.
- n.1 lockable case for containing tools and accessories
- n.1 lockable cupboard for filters
- n.1 fire extinguisher capacity 9 kg
- n.2 jerricans in steel sheet capacity 20l for liquids in general
- Mud guards for rear wheels
- spare wheel holder

- Equipotential connections with copper plaits between tank and vehicle chassis, set of signs for the transportation of flammable fluids
- side underride guard and clearance light