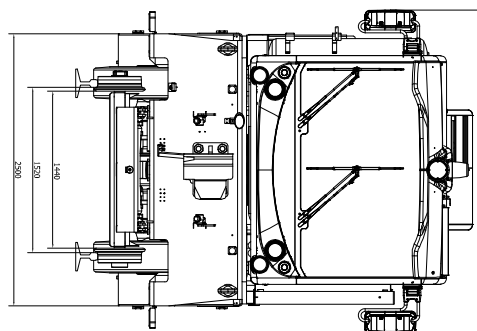
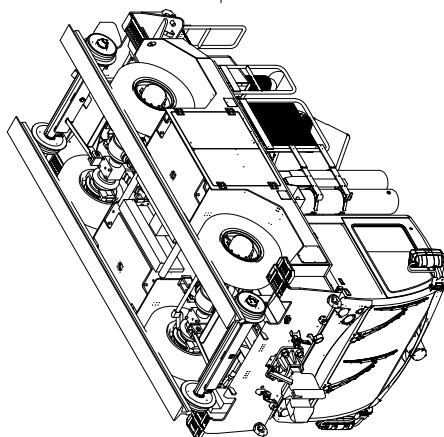
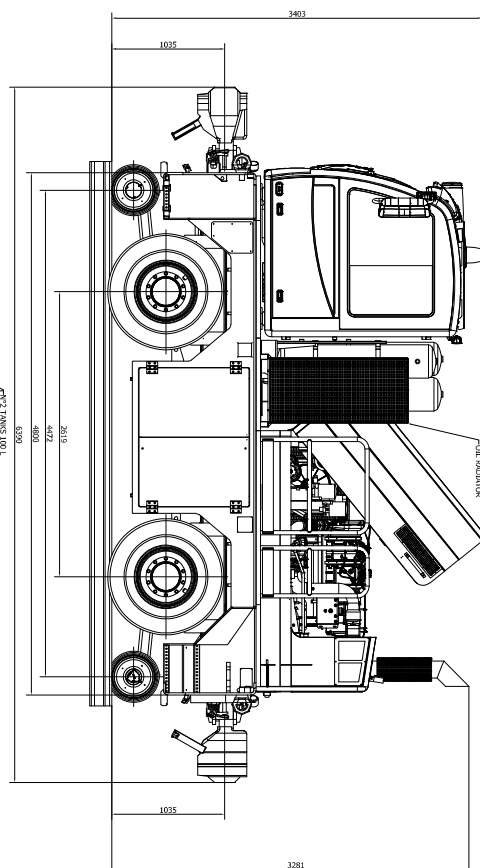
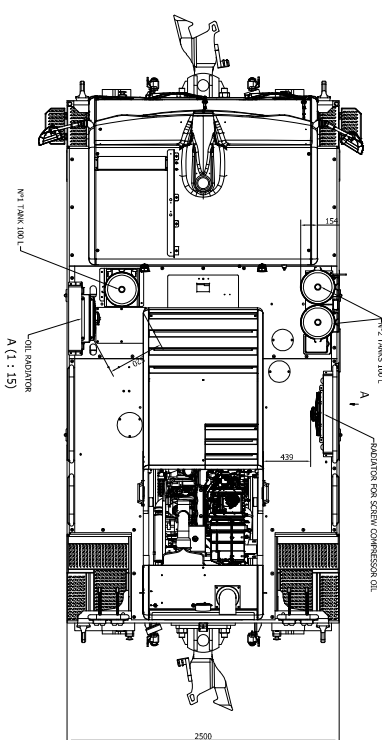
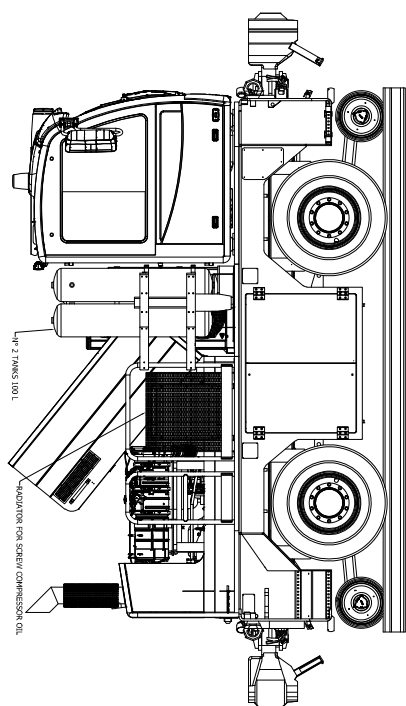
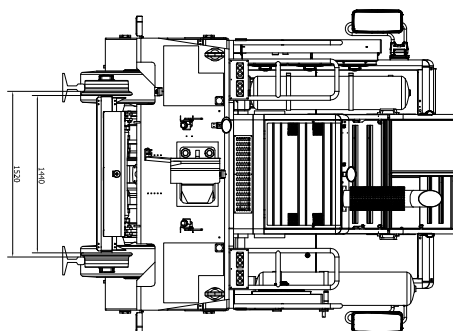
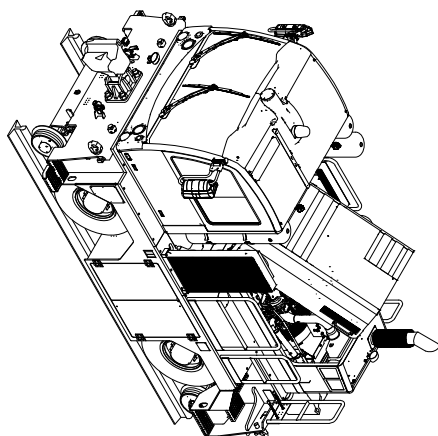




5.1.2 TECHNICAL SPECIFICATIONS - LOK 13.220

ENGINE

Power max.....168 kW (225 Hp) a 2500 r.p.m.
Max. torque 949 N-m a 1500 r.p.m.
Compression ratio 17.3 :1
Cylinder capacity..... 6.7 litres
Combustion system electronic injection
Suction system..... turbocharged charge air cooled
Emissions certificationEU Stage V, US EPA Tier 4(f)

SPEED

Gears

1° AV / RM 6 km/h
2° AV / RM 12 km/h
3° AV / RM(limited) 25 km/h



NOTE: in order to find exact weights and any other necessary information, consult the engine manual supplied with the vehicle.

TRANSMISSION

- Powershift hydrodynamic transmission with torque convertor.
- Safety device, protection, reverse and direction-of-travel control.
- Oil exchanger – oil cooling water.

TRACTION

- 4 wheels (4 x 4)

TYRES

- Tyre type..... 10.00-20
- Tyre pressur 10 bar

BRAKES

- SERVICE BRAKES: disc brakes on 4 wheels, function with dual pump on separate circuits, with pressure accumulator,
capacity 3 x 0,35 litre at 60 bar
- PARKING BRAKES: disc brakes on gear box with mechanical control lever using hydraulic cylinder or tyre.

STEERING

- Hydrostatic fed by separate pump with steering wheel.
- two wheels with 2 double action steering cylinders.
- Capacity 200 cc

COMPRESSORS AND POWER STEERING

Consisting of two pumps divided into: COMPRESSOR(S) and POWER STEERING double (triple) fixed capacity geared pump

- COMPRESSORS: see chapter 6 – EQUIPMENT
- POWER STEERING:
 - capacity 19 cm³/revolution
 - max pressure.....90 bar

RAIL AXLES AND SERVICES BRAKE

Double fixed capacity geared pump:

- SERVICES
 - capacity 11,3 cm³/revolution
 - operational pressure.....35 bar
 - max pressure.....70 bar
 - pressure accumulator capacity (rail carriages)..... 4 x 1,5 litre - calibrated to 25 bar
- BRAKE BOOSTER
 - Capacity4,5 cm³/rev
 - Max. pressure.....160 bar
 - Pressure accumulator capacity3 x 0,35 litres – calibrated to 60 bar

PNEUMATIC SYSTEM (If fitted)

Pneumatic system for wagon braking consists of one or two compressors:
see chapter 6 – EQUIPMENT

REFUELLING

- fuel tank..... 250 liters
- AD Blue tank 18 liters
- hydraulic oil tank 100 liters

MASS

- Empty mass in gear order 24.000 kg
 - front axle (road mode) 12.000 kg
 - rear axle (road mode) 12.000 kg

MAXIMUM PERFORMANCE LEVELS

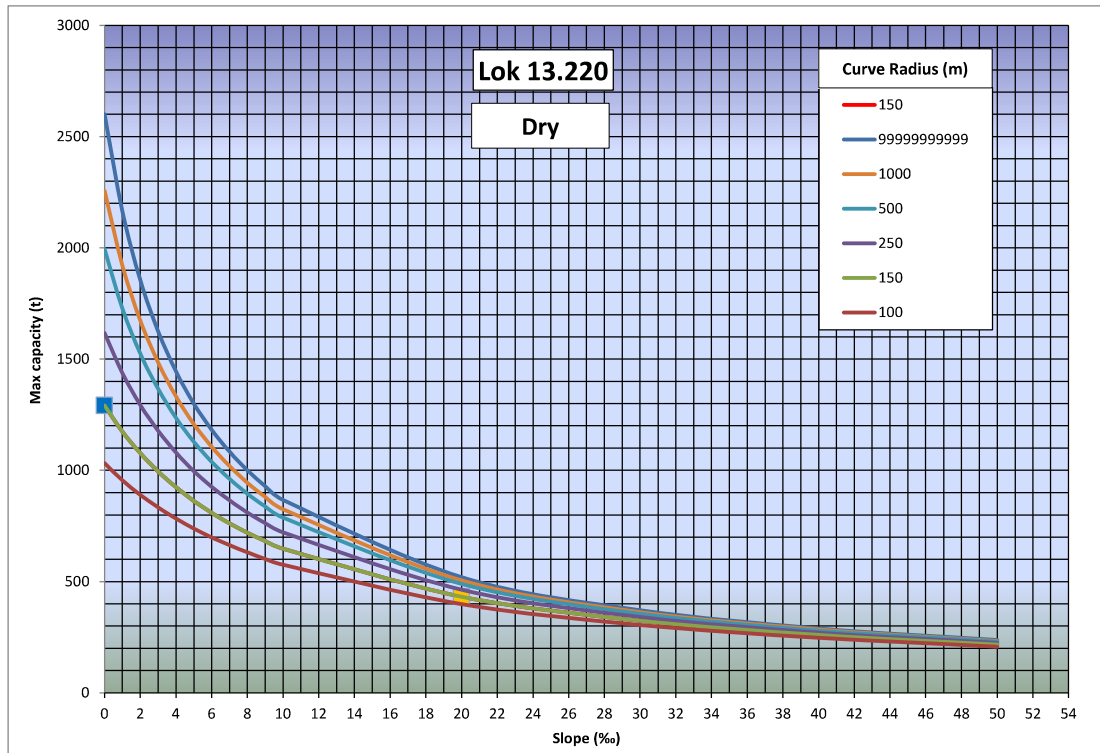
- General maximum performance levels of the vehicle are optimised during testing operations before delivery
- Towing effort130 kN



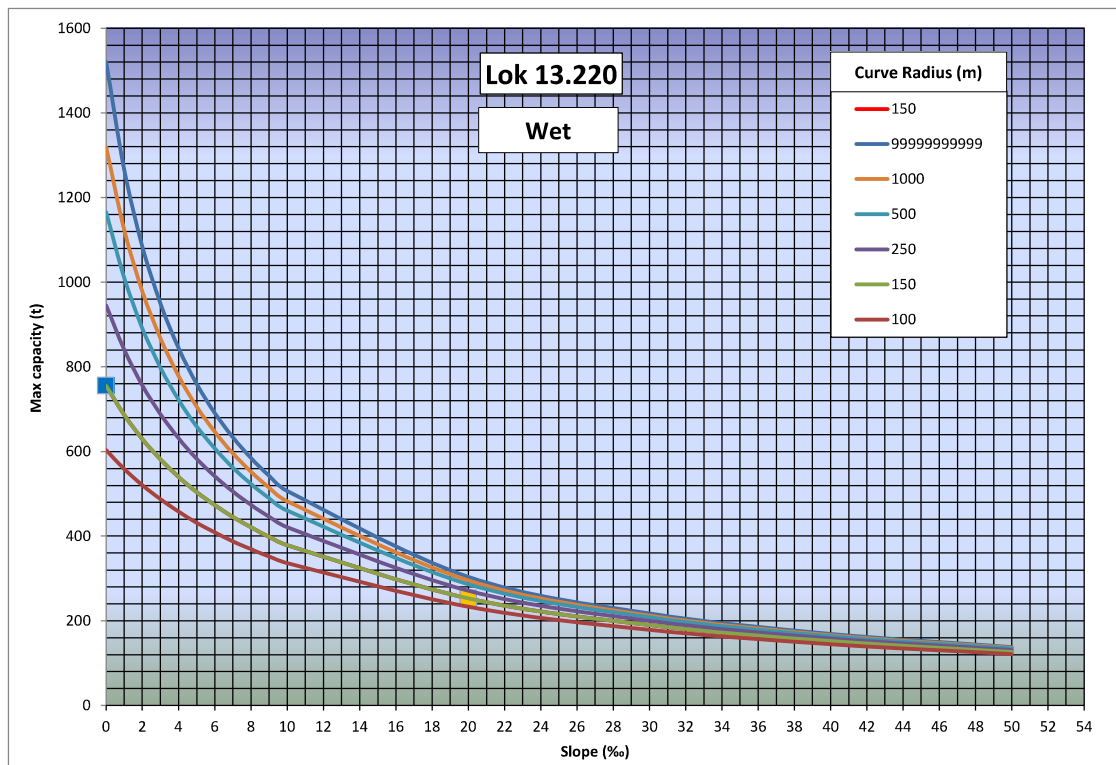
WARNING: It is absolutely forbidden to carry out modifications. Any alteration will lead to total cancellation of the producer's warranty, both for the vehicle and for any equipment and accessories necessary for its operation.

Maximum tow capacity table - LOK 13.220

gauge 1520 mm



NOTE: values displayed refer to towing carried out on dry tracks which are in good condition and maintained properly.



NOTE: values displayed refer to towing carried out on wet tracks which are in good condition and maintained properly.