

## **Lindner & Fischer HEAVY DUTY 4-AXLE TANK SEMI-TRAILER, FUEL TYPE: TSA 60 SD**

Volume: approx. 60 000 ltr +3% expansion

### **Weights**

Fifth wheel load approx. 20 000 kg

Axle load approx. 48 000 kg

Tyre load approx. 52 000 kg

Total gross weight approx. 68 000 kg

Dead weight approx. 13 500 kg

Payload, techn. 54 500 kg

### **Dimensions**

Total length 15 500 mm

Total width 2 550 mm

Total height 3 800 mm

5<sup>th</sup> wheel height\* 1 450 mm – matching to 6x4 \* unloaded

### **Chassis**

Heavy duty reinforced TSA 60 SD chassis with reinforced axles. The tank's framework consists of two fabricated steel beams of high quality steel. The two beams are fully welded all over their length on the tank. The beams are strongly connected with the cross members supporting the suspension and the kingpin upper coupler. Upper coupler plate with JOST 3 1/2" king pin, exchangeable with 2" king-pin. Skid plate bolted on frame.

### **Running gear**

4-axle, BPW capacity 12 T each in heavy-duty execution, with special shock absorbers and reinforced hangers with additional arrester cable to withstand heavy-duty operation. All axles with ASA (automatic slack adjuster), ECO-Hub system

- mm brake drums, with S-cam. Air-suspension

Air suspension type WABCO, with levelling system, load divider, including lifting and lowering device 1<sup>st</sup> and 4<sup>th</sup> axle as lifting axle

## **Wheel and tyres**

Units Wheel type Tires Brand : First class European brand, approved for off road operation.

## **Electric system**

System voltage : Coupling : Rear light system :

Side-marking lights : Position lights : Reflectors :

24 Volt, acc. to RL 76/756/EWG 15 poles Two (2) 6 chamber lights for 24 Volt, protected in rear bumper Four (4) mounted on each side, 24 Volt Two (2) at the front, 24 Volt Two

- triangles at rear

Twin mounted tyres 16 + 1 complete spare wheel included

Disc-wheel, type 9,00x22,5 : 315/80R22,5

Mudguards

Heavy duty mudguards made of PVC with rubber mud-flaps.

## **Landing legs**

Two (2) speed with large pad feet, one-side operation, 24 tons total lifting capacity and 50 tons static.

## **Brake**

Double line air brakes with manual breaking valve Spring loaded parking brake Connections mounted on the front bearer.

Additional LED rear stop-, tail- and indicator lights are mounted on the upper part of the rear tank body. All cables fixed with protection, either in steel tubes or PVC hoses

## **Tank body**

Tank shape: Compartments: Total volume:

Elliptical Six (6) with 10 000ltr each Approx 60 000 ltr. +3% expansion

Manufactured of thick high-grade steel –S235JRG2-, thickness minimum 4 mm electrically welded throughout with accurately finished welding seams. Dished bulkheads on both

sides and appropriate nos. of splash walls. The splash walls are mounted not less than 900 mm and not more than 1750 mm between each other according ADR.

## **Dome-pan**

Overflow protection welded along the tank with drain pipe and shutoff cock. The dome pan is designed as an over-roll protection in order to protect the dome armatures.

## **Walkway**

Open mesh walkway on the right-hand side of the manhole cover, with front mounted access ladder.

Collapsible hand-rail

One (1) collapsible handrail made of aluminum, operated manually, fixed as safety barrier, according UVV regulation along the dome-pan. Operation of handrail next to access ladder.

Top fittings per compartment

One (1) 500 mm dia. manhole cover with 250 mm dia. hinged lid, complete with one (1) dipstick, increments; 500 / 500 ltr. Flame proofed safety vent valve and pneumatic operated tipping valve DN 65.

Discharge fittings per compartment

At the lowest point of each compartment one (1) pneumatic bottom valve DN 65, with filling/discharge pipe DN 65. For all six (6) compartments together, one (1) mechanical valve and 2 1/2" coupler with dust cap, leading into the lockable cabinet.

Delivery options

- discharge by gravity, via 2 1/2" Cam-lock coupling

filling from top Armature box Left hand side between the landing gear and 1<sup>st</sup> axle one (1) lockable armature box mounted, with outlet valves and pneumatic operations. Hose and hose-carrier Two (2) galvanised, painted and lockable hose-tubes, one (1) on each side of the tank with two (2) hoses. Hose type: NW 65 with 2 1/2" coupling Hose length: approx. 5,00 m

## Standard accessories

Two (2) wheel chocks with holder One (1) 6kg fire extinguisher with holder Four (4) each brass pieces welded on each site of the chassis One (1) unit heavy duty spare wheel carrier One (1) toolbox integrated in armature box

## Paintwork and finishing

Tank body: Sand blasted, base coated, synthetic enamel finish, MB arctic white  
Chassis: Sand blasted, base coated, synthetic enamel finish MB 7350, novagrey  
Accessories: Partially galvanised Yellow reflective safety line, 5cm wide, mounted on the side and rear of tank body.

## Documentation

One (1) spare part list One (1) operating manual All instruction plaques, lists, manuals and signs in English

## Acceptance test

Leakage testing of tank 0,35 bar Functional test