

**LAG TRAILERS NV**

**STOCK - STAINLESS STEEL TANKER - ADR - 30.000L - 1 COMPARTMENT - 3 BAFFLES - BPW - ET 0**



**LAG TRAILERS NV**  
**1 x LAG - STAINLESS STEEL TANKER - ADR**

**Reliable, no matter where.**



## **A. GENERAL INFO**

### **A02. Vehicle type**

Stainless Steel Tank trailer, ADR, Tank diameter 2.000mm. Template 28407.

### **A03. Approvals**

- European Certificate of Conformity (COC) is included.
- Apragaz tank report.
- No final approval.

### **A04. Dimensions**

5th wheel height: 1220 mm

### **A05. Weights**

#### Technical weights:

Max. technical vehicle weight:	43.000 kg
Max. technical king pin weight:	16.000 kg
Max. technical boogie weight:	27.000 kg

#### Weight distribution:

Permissible vehicle weight:	39.000 kg
Permissible king pin weight:	12.000 kg
Permissible boogie weight:	27.000 kg



## **B. CHASSIS CONSTRUCTION**

### **B06. Chassis**

I-chassis:	Stainless steel.
Front part of chassis:	Anodized aluminium
Rear part of chassis:	Stainless steel.

### **B07. Coupling**

Demountable bolted coupling plate in steel, with bolted SAE 2" kingpin.

### **B08. Axles**

3 fixed axles BPW-ECO PLUS, execution with large disc brakes TS2 4309. Capacity 9.000 kg per axle, track width 2.140mm, spring center 1.400mm, air bag 300mm, spigot fixing.

**Axles in a reinforced version (off road).**

**The axles are air suspended, with lifting axle on axle 1, automatically via EBS.**

### **B09. Wheels and tyres**

6 tyres 385/65 R 22,5 Goodyear Fuelmax T HL M+S TL 164K.

6 aluminium rims, 22,5 x 11,75 Alcoa, polished, type LVL-ONE, ET 0 mm, capacity 5.000 KG.

### **B10. Brakes / Air suspension**

Air couplings ISO 1728.

Electronic brake system WABCO EBS-E, type 2S/2M (ABS on 1 axle), with RSS-system (Roll Stability) and pneumatic parking brake on 2 axles, according to legislations.

On the left-hand side, a test connection for controlling brake cylinder pressure. 24N backup wire.

Operating panel for air suspension, anodised Aluminium.

The axles are air suspended. A raise and lower valve mounted on the left side.

Black PVC brake wiring.

2 Aluminium air tanks 80 Ltrs, with anti-corrosion treatment by supplier (standard black colour), not painted in the chassis colour.

### **B11. Lighting / Electricity**

At the front 15 pole socket (according ISO 12098).

24 Volt, according to legal regulations. ADR cabling. In the front 2 white LED position lights. 2x4 LED orange flashing side marker lights.

At the rear 2 five-chamberlights Aspöck Europoint III Not full LED(with LED-strip and LED-side marker lights) and LED-license plate lights.

### **B12. Landing legs**

In front 1 pair of mechanical landing legs JOST, type Modul B, execution with base plates (T), capacity 2x12.000 kg, mechanical operation on the right-hand side, with 2 speeds.



**B13. Side guard**

Sideguards made from anodised aluminium, acc. EC regulations, on both sides.

**B14. Tool box**

1 stainless steel (polished) toolbox (1.000x500x500 mm), mounted at the leftside.

**B15. Mud guards**

Without anti-spray mud flaps behind the axle:	On axle 1 and 2
With anti-spray mud flaps behind :	On axle 3.
Mudguard supports:	Stainless steel supports.

**B16. Rear bumper**

At the rear an aluminium light bar/bumper Aspöck, according to new EC-norms R58-03.  
Above the bumper, a high-gloss stainless steel cover plate, type LAG.  
At the rear, beneath the bumper, a LAG mud flap over the full width.



## **C. TANK SUPERSTRUCTURE**

### **C21. Tank construction**

The tank is bolted on the chassis. A straight cylindrical tank in stainless steel. Tank with 3 baffles, Stainless steel sheets with internal finish 2B. Welds are polished and buffed. X-rays from weldings as ADR. Tank support parts out of quality 1.4301.

Vehicle type:	ADR
Tank code:	L4BH
Number of compartments:	1
Size compartment 1:	30000 L
Capacity:	30000 L L
Diameter:	2.000 mm
Shell thickness:	3 mm.
Tank shape:	Straight cylindrical
Quality:	1.4404 (316 L)
Number of baffles:	3
Material baffles :	1.4404
The baffles are mounted on a doublings plate.	
Grinding finish:	Chemical

### **C22. Pressure and temperature**

Temperature:	120°C.
Testing pressure:	4,0 bar.
Working pressure:	2,6 bar.

A thermometer, dia. 100 mm. -20°C / +150°C mounted on the outside of the tank.

2" safety valve on top of the tank.

Vacuum pressure:	0,21 bars
Brand :	Perolo

### **C23. Insulation / Heating**

#### **Insulation:**

- Thickness: 100mm thick insulation.
- The cladding consists of 0,6 mm stainless steel plate, quality 304. Stainless steel tension rings, no sheet overlap.
- Cladding easy to replace/repair.
- Both insulation fronts GRP painted.

#### **Heating:**

At the bottom of the tank: warm water pipes, length 3 x 115 mm. Entrance 3/4" at a demountable collector with safety valve and rear side a drain valve. Prepared for Webasto. The heating is provided for truck engine heating with coupling 3/4".



### **C25. Manways**

We provide 1 manhole per department with stainless steel cover lockable by stainless steel bolts. Easily replaceable gaskets (type 5005-860 SUPER TANKTYT, Nitrile/PTFE) to each lid.

Number of manways:	4
Diameter of the manways:	500 mm
Number of stainless steel bolts:	6 pieces
Brand:	Swift

### **C26. Spilling trays**

Around each manhole a square spill box made out of stainless steel high gloss, type 1.4301.

Spill box covers:	Aluminium
Open direction:	From front to back

These spillboxes are connected with 2 draining pipes 1 ¼" and from the last spill box these spillage pipes go down under at the end with ball valve and flexible.

### **C27. Top loading points**

No top loading points

### **C28. Walkway**

On the left over the full length of the tank a walkway (400 mm wide) made from aluminium anti-slip grills with kick strip.

Walkway between manlids, width of 2 x 400mm.

No walkway before the first and behind the last manlid, instead a support for the spillbox cover is provided.

A stainless steel collapsible handrail on the left hand side, mech. operated from ground level and from the top of the tank.

A stainless steel access ladder with anti-slip treads at the tank rear on the left side. collapsible handrail operated from ground level and from the top of the tank.



## **D. UNLOADING EQUIPMENT**

### **D40. Unloading possibilities**

Each compartment is provided with a bottom valve. From each bottom valve leaves a separate stainless steel discharge pipe to the rear, rightside of the tank. At the end of each discharge pipe a endvalve, after the endvalve a coupling with blind cap.

Diameter discharge piping :	3"
Coupling:	Stainless steel TW 3"
Brand bottom valve:	Fort Vale Cleanflow
Diameter:	3"
Bottom valve control:	Pneumatic
Material bottom valve	Stainless steel
Butterfly valve:	Fort Vale Unify
Diameter butterfly valve:	3"
Valve control:	manual.

On the butterfly valve blow off connection we provide a 1/4" valve with hose connection to the air tank (sample valve 1/4" included).

A stainless steel box is provided at the right at the back of the axles (280x300x200). Operating valves mounted in this stainless steel box.

### **D46. Pump installation**

No pump

### **D51. Hose tubes**

The trailer will be equipped with hose carriers. The hose tubes are fixed by means of anodized aluminium supports. No hoses included in our delivery.

Material:	PVC
Diameter of hose carriers:	160 mm
Length:	6200 mm (standard)
The hose carriers will have at the rear side a leaking box incl. door and at the front only a door (anodized aluminium).	

Number of hose carriers left side:	1
Number of hose carriers right side:	1



## **E. AIR FEED LINES**

### **E53. Manifold**

An air manifold in electro-polished stainless steel is fitted at the tank front, at the rightside, with connection to a 2" airline to the top of the tank (tank pressurization) Including pressure relief valve, a pressure gauge, an overpressure valve and a non-return valve.

Diameter manifold: 2"

On the frontside of the collector we mount a 2" TW coupling with blindcap. On the TW coupling, we mont a 1" stainless steel GEKA coupling with blindcap.

On the vapour recovery valve of the landing legs or the rearside of the collector we mount a 2" TW coupling with blindcap.

### **E55. Tank air line**

2" pressure line starting from the collector. The 2" pressure line continues vertically under the insulation cladding entering the front spillbox.

Connection to the tank shell via a 2" flanged stainless steel **pneumatically** operated valve (Fort Vale).

### **E56. Pressure release**

Pressure line is extended from pressure line collector to right, rearside of the trailer. At the level of the landing legs a T-piece as a branch with an extra connection. This for vapour recovery. At the level of the landing legs and at the end of the pipe a 2" ball valve.

On the vapour recovery at the rearside we mount a 2" TW coupling with blindcap.





## **G. FINISHING**

### **G60. Accessories**

- At the rear 2 length marking signs.
- 1 yellow wheel block with holder (mounted between the mudguards on the left side).
- 1 yellow PVC wheel block with holder, mounted between the mudguards on the right side.
- 1 stainless steel earthing reel.
- We will mount 2 earthing pin(s) on the rear left and right onto the chassis.
- 1 black PVC fire extinguisher box, against the landing leg.
- 1 black PVC fire extinguisher box clamped at chassis bottom flange.
- 2 fire extinguisher 6 kg.
- 1 spare wheel carrier at the of the trailer.
- ADR equipment:
- 3 sign boards at the rear (type Mazon).
- 1 sign ADR indication board with numbers at the rear (type MAZON, not weber)
- On each side per compartment we provide 3 ADR stainless steel hazard label holders, envelope model, including labels. (Mazon)



## **G61. Painting**

Primer coating, finishing (2-compound lacquer).

Tank barrel:	high gloss stainless steel
Tank front bottom:	ral 9016, standard
Tank back bottom:	ral 9016, standard
Chassis:	Stainless steel, (unpainted)
Front chassis:	aluminium anodized, (unpainted)
Rear chassis:	Stainless steel (unpainted)
Coupling plate:	Standard Black RAL 9005
Landing legs:	Standard Black KTL (unpainted)
Connection landing legs to chassis	Aluminium anodized (unpainted)
Ferry hooks:	Does not apply
Axles:	Standard Black KTL (unpainted)
Axle hubs:	Standard Black KTL (unpainted)
Rims:	Unpainted
Rim edge:	Does not apply
Air tanks	Black KTL (unpainted)
Mudguards:	Unpainted
Mudguards supports:	Stainless steel (unpainted)
Sideguards:	Aluminium anodized (unpainted)
Sideguards support:	Aluminium anodized (unpainted)
Air feed line supports:	Stainless steel (unpainted)
Walkway:	Aluminium (unpainted)
Shock absorbers:	Unpainted
Toolbox:	Unpainted
Toolbox supports:	Unpainted
Bumper:	Unpainted
Hose carrier:	RAL9006
Content on valance:	Yes
tank interior finish	Pickling

## **G62. Lettering**

Conspicuity tape:	Yellow at the rear - white at the side.
Lettering:	Not included

