

**TECHNICAL SPECIFICATION
OST-TV-PL-36-4**

**OVALLIGHT SEMITRAILER
TRANSPORT VERSION**

**FOR THE TRANSPORT OF FUEL
ACCORDING ADR CLASS 3**

General technical data

TDA003	Overall capacity (netto)	36.000 L
TDA012	Total length (L)	± 11.300 mm
TDA050	Total width (W)	± 2.550 mm
TDA062	Total height (H)	± 3.325 mm
TDA080	Height 5 th wheel	± 1.200 mm
TDA102	Wheelbase (WB)	± 6.800 mm
TDA200	Axle distance (CA)	± 1.310 mm
TDA301	MAW	34.000 kg
TDA351	Max. tot. axle load	24.000 kg
TDA377	Max. king pin load	11.500 kg
TDA405	Kerbweight	5.400 kg +/- 3%
TDA520	Payload	± 28.600 kg

ADR

ADR010	ADR	Design acc. ADR
ADR050	Tank code	LGBF
ADR150	Approving authority	TDT / AIB

Tank

TAN001	Execution	With coaming over the full length, serving as overroll protection.
TAN025	Material	Aluminum alloy tank
TAN050	Shape	Oval cross-section
TAN100	Thickness shell	min. 5 mm
TAN150	Thickness heads	min. 5 mm
TAN200	Working pressure	Atmospheric
TAN260	Test pressure	0.034 MPa
TAN305	Compartments	4
TAN415	Capacity/comp.	front 10000L / 4000L / 14000L / 8000L rear

Loading possibilities

TLP010	Top loading	Top loading per compartment.
TLP050	Bottom loading	Bottom loading independently for each compartment through API couplings, mounted at the left side at ground level..

Discharge possibilities

TDP010	Gravity	Unmeasured gravity discharge through API couplings.
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Tank top equipment - general

TTE001	Manhole	1 off manhole ND500, brand Tecnometal, per compartment.
TTE100	Top loading	Each manhole is equipped with a filling opening ND250.
TTE200	Vent valve	A vent valve, brand Niehuser, is mounted on each manhole.
TTE300	Safety valve	A safety valve, brand Niehuser, is mounted on each manhole.
TTE350	Indication	Each manhole is foreseen with the appropriate compartment number and capacity.
TTE500	Safe access	The inside of the coaming is foreseen with anti-slip decals for safe operation.
TTE550	Ladder	An access ladder to the coaming is mounted at the rear RH-side of the barrel.
TTE600	Handrail	An aluminium foldable handrail is foreseen on the RH-side, over the full length of the coaming.
TTE650	Handrail operation	The raising/lowering of the handrail is combined with the lowering/raising of the bottom part of the ladder.
TTE800	Drain valves	At the rear, the coaming is foreseen with 2 off drain pipes, guided through the tank, terminating each in a manual ball valve 1.5".

Bottom loading and vapour recovery

TBL001	Bottom valves	Each compartment is equipped with a pneumatic operated bottom valve ND100, brand Tecnometal.
TBL050	Loading adaptor	Each compartment is terminating in manual operated adaptor ND100, type API, brand Tecnometal.
TBL075	Blind cap	Each adaptor is foreseen with a blind cap.
TBL120	Indication	Each adaptor is foreseen with the appropriate compartment number and compartment capacity.
TBL125	Piping	All piping between bottom valves and API valves to be in aluminium 4".
TBL155	API cabinet	Whole bottom loading equipment is protected against unauthorised opening by closed cabinet with single flap door system. When the cabinet is opened and the parking brakes of the vehicle are engaged them main air supply for steering the bottom valves is provided. This situation remains as long as the parking brakes are engaged.
TBL230	Location	Whole bottom loading equipment is grouped together in a closed aluminium cabinet, situated on the LH-side, in the wheelbase.
TBL500	Vapour recovery line	Vapour recovery installed in the left side of the coaming.
TBL550	Vapour transfer valve	Each manhole will be supplementary equipped with a pneumatic operated vapour transfer valve, brand Tecnometal, and connected to the vapour recovery line.
TBL600	Vent valve	The vent valve is executed with a pneumatic operated vent valve, brand Tecnometal, interlocked with the vapour recovery valve.
TBL650	Vapour recovery valve	Mounting of a vapour recovery valve, ND100, brand Tecnometal, next to the API valves.
TBL700	Overfill protection	Each compartment is equipped with an optical overfill protection, brand Scully
TBL800	Electrical connection	A 10-pins electrical connector with cap is mounted next to the vapour recovery valve to connect the overfill protection to the loading station.

Chassis and running gear

RGE001	Chassis	Full aluminium chassis, integrated with the tank.
RGE101	Axles brand	BPW Eco Plus
RGE155	Axle load	8t per axle.
RGE210	Axle configuration	2 fixed axles. Twin lift front axle.

RGE225	Rims	Steel rims.
RGE250	Tyres	6 off Goodyear 385/65 R22.5.
RGE280	Spare wheel	Not included.
RGE300	Brakes	Disc brakes with disc diameter 430mm.
RGE325	Suspension	Air suspension.
RGE350	Lift / lowering valve	Included.
RGE400	Brake system	2 line pneumatic brake system, mounted acc. R13 regulations.
RGE425	EBS-RSS	EBS anti-lock braking system 4S/2M with RSS function.
RGE450	Parking brake	Pneumatic parking brake acting on 2 axles.
RGE475	Air tanks	Aluminium air tanks are installed.
RGE500	Rear bumper	Alu rear bumper, brand ASPOECK, with incorporated 5-chamber lights.
RGE550	Additional lighting	Orange side marker lights – LED. Rear outline marker lights on rubber arm – LED. Front outline marker lights.
RGE600	Electrical system	24 VDC, taken from the electrical system of the tractor, acc. ADR regulations.
RGE625	Junction box	Junction box on the front dish foreseen with 15 pins connector acc. EN12098.
RGE640	Pneumatic connection	2 line pneumatic couplings acc. ISO 1728 located on front dish.
RGE650	Side protection	Side protection in alu profiles, not painted.
RGE675	King pin	Standard 2" demountable king pin.
RGE700	Landing legs	2 Off landing legs 12t, brand Weweler, with flat feet. Lever on the RH-side. Only intended for stand-alone of the trailer in unloaded situation.
RGE725	Mudguards	Plastic mudguard with anti-spray mudflap over each wheel. 1 Off rubber mudflap at rear under the bumper is foreseen.

Grounding features

GRO001	Grounding reel	A manual operated grounding reel is installed on the unit, with crocodile clamp.
GRO010	Grounding pins	4 Off round grounding pins are mounted, 2 adjacent to the landings legs, left and right; 2 at the rear, left and right.
GRO030	Axle grounding	Each axle is grounded to the chassis.

Further equipment

FEQ015	Hose carrier	1 Off hose carrier tubes diam. 160mm, in ALU, mounted left and right of the tank. Each with alu cap at the front and alu door at the rear. No drain is foreseen since hoses have to be closed by caps acc. ADR rules.. Length 6m each.
FEQ100	Toolbox	1 Off PVC toolbox, dim. ±(600x400x400), mounted on the RH-side in the rear overhang.
FEQ125	Toolbox opening	Toolbox is open downwards.
FEQ210	Fire extinguisher	2 Off 6kg fire extinguishers, in a PVC cabinets.
FEQ230	ADR box	1 Off ADR box class 3 is foreseen.
FEQ250	Wheel chocks	2 Off plastic wheel chocks will be mounted on the semitrailer.
FEQ300	UN identification plate	At the rear, a combi UN identification will be mounted.
FEQ350	Warning decals class 3	3 Off decals "Flame" are foreseen, 1 on each side and 1 at the rear.
FEQ375	Warning decals "fish"	3 Off decals "Fish" are foreseen, 1 on each side and 1 at the rear.
FEQ400	Emergency closing #1	1 Off "Emergency" switch will be mounted near the API valves assembly. When activated all bottom valves will be closed automatically.
FEQ450	Emergency closing #3	1 Off "Emergency" switch will be mounted at the rear RH-side. When activated all bottom valves will be closed automatically.
FEQ500	Rear overhang cover	Rear overhang covered by flat sheet metal painted in chassis color.

Accessories

ACC020	Delivery hoses	1 Off fuel delivery hose, type "Composite", ND80, with Camlock couplings and caps at each end. Length 6m. 1 Off gas recuperation hose, type "Composite", ND80, with symmetrical couplings and caps at each end. Length 6m.
ACC050	Discharge couplings	1 Off API 4"-3" and 1 off COV 4"-3" are foreseen.

Finishing

FIN010	Chemical treatment	All alu parts are chemical cleaned prior to painting.
FIN100	Metallisation	All steel parts are sandblasted and metallised prior to painting.
FIN150	Plastering	The tank and its welds are plastered to give an optical smoother look.
FIN200	Coating	The vehicle painted with two-component acrylic paints, with the exception of metallic and non-metallic bases and clearcoat covering.
FIN300	Colours	Colours have to be according RAL-code or FLN-code.
FIN350	Different colours	Two different colours are foreseen in this offer: <ul style="list-style-type: none"> - One colour for the tank - One colour for chassis and its components.
FIN500	Logo / Advertising	No logo's and/or advertising are foreseen in this offer.
FIN700	Reflecting stripping	Reflecting stripping is foreseen on RH-side, LH-side and rear of the tank, according to R48 regulation.

Additional equipment (above not included), included in price:

Double cabinet (RIGTH SIDE EMPTy)
Alu wheel
