

TECHNICAL SPECIFICATION

SUPER FUEL & LUB TRUCK

Fuel tanker and lubrication truck (6x6)

Volume: approx. 30.000 ltr.. + 3% expansion

High Quality Product

MADE IN GERMANY

Custom-made

According to customer-specific requirements

Tank bodies can be built up to:

- 22.000 ltr. on 3-axles truck chassis (*normal* road trucks, such as Mercedes, MAN etc.)
- 30.000 ltr. on 4-axles truck chassis (*normal* road trucks, such as Mercedes, MAN etc.)
- 60.000 ltr. executed as tank trailer

Tank support

The tank itself is mounted at the rear side with the original tipping bearing and supported in tank saddles with heavy duty rubber mountings on the whole length of the chassis frame

Tanks

Tank shape: Elliptical 30 000 ltr.. + 3% expansion

Tank compartments: **Seven (7)**

1 x 25.000 ltr. Diesel fuel
4 x 1.000 ltr. Oil (engine oil, transmission oil etc.)
1 x 1.000 ltr. Waste Oil

Separate

1 x 250 ltr. Coolant
1 x 205 ltr. Grease (provision for mounting of 205 ltr. grease drum)

Manufactured of thick **high-grade steel** –S235JRG2-, thickness 6 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.

Working platform

At the rear part of the tank, a solid and heavy-duty platform is mounted.

Access ladder on right-hand side for easy access to platform. Fixed hand-rail at the platform for safety reason.

On the platform, following equipment is mounted:

- Large cabinet with diesel refuelling equipment, pump, meter, 2 x hose-reel
- Four (4) hose-reels with pumps, meter and discharge nozzle for different oil
- One (1) hose-reel with suction-pump and nozzle for waste-oil
- One (1) hose-reel with pump, hose-reel and nozzle for grease
- One (1) hose-reel with pump, hose-reel, meter and nozzle for coolant

All hose-reels are spring loaded with 15 m x DN 12 hoses

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 covers, with rear mounted access ladder.

Collapsible hand-rail

One (1) collapsible handrail made of aluminium, operated manually, fixed as safety barrier, according UVV regulation along the dome-pan.

Operation of handrail manually next to access ladder.

Description of seven (7) tank compartments (A – D):

A.) 1 x 25.000 ltr. diesel tank

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 80 with filling/discharge pipe DN 80, mechanical valve and 2 ½ inch Cam-lock coupler with dust cap, leads into steel cabinet (rear).

Pump

One (1) self-sucking pump, mounted inside cabinet, hydraulically driven by the hydraulic system of the A40F. The suction pipe is equipped with a suction filter. Suction and delivery connections are provided with hose coupling and cab.

Pump capacity: approx. 500 ltr./min at 6 bar.

Metering system

In the cabinet on the rear side the metering system 2 inch is mounted, consisting of:

Gas separator, meter rated for a flow of 35 - 375 ltr. / min

4-digit resettable register

8-digit non-resettable totalizer.

Hose-reel for low-flow, 90 ltr. / min

One (1) hose-reel spring loaded with 20 mtr. hose 1 inch and automatic discharge nozzle ZVA 25, is mounted inside cabinet at appropriate position.

Maximum flow is 90 ltr./min, which is regulated by a By-pass valve

Hose-reel for high-flow, 350 ltr. / min

One (1) hose-reel spring loaded with 10 mtr. hose DN 2 inch and discharge nozzle type Wiggins 2 inch, is mounted inside cabinet at appropriate position, for maximum 350 ltr./min

Steel cabinet

One (1) cabinet on the rear side of the working platform mounted, with discharge outlets, 2 ½ inch Cam-lock, pneumatic operations, pump and metering system.

One LED light mounted inside armature box which is operated by master-switch.

The steel cabinet and it can be sealed for security.

Delivery options

- discharge by gravity, via 2 ½ inch Cam-lock
- discharge with pump, measured via hose reel low-flow 1 inch and high flow 2 inch
- self-filling with own pump
- filling from top

B.) 4 x 1.000 ltr. oil

Four (4) compartments with 1 000 ltr. each with each one (1) filling lid and one (1) discharge pipe, four (4) dipsticks.

Four (4) pumps electrically/pneumatically driven with approx. 20-30 ltr./ min flow-rate. Flow-rate depends on the density of the oil.

Four (4) spring loaded hose-reels, 15 m hose, and four (4) integrated flow-meters in discharge nozzle.

Four (4) Wiggins coupling for discharge by gravity are installed next to hose-reels

Hose-reels mounted on rear part of working platform

Delivery options

- discharge by gravity
- discharge with pump, measured via hose reel
- filling from top

C.) 1 x 1.000 ltr. waste oil

One (1) compartment with 1 000 ltr. with one (1) filling lid and one (1) discharge pipe, one (1) dipstick.

One (1) self-sucking waste-oil pump electrically/pneumatically driven with approx. 20-30 ltr./min flow-rate. Flow-rate depends on the density of the oil.

One (1) spring loaded hose-reel, 15 m hose, with suction nozzle.

One (1) Wiggins coupling for discharge by gravity is installed next to hose-reel.

Hose-reel mounted on rear part of working platform

Delivery options

- discharge by gravity
- suction with pump via hose reel

D.) 1 x 250 ltr. coolant

One (1) separate tank made of stainless steel 1.4301 with approx. 250 ltr., mounted on working platform (rear right side) with one (1) pump, electrically / pneumatically driven with approx. 20ltr. flow-rate. Flow-rate depends on the density of the coolant.

One (1) spring loaded hose-reel, 15 m hose and one (1) integrated flow-meter in discharge nozzle.

One (1) Wiggins coupling for discharge by gravity mounted next to hose-reel.

Hose-reel mounted on rear part of working platform

Delivery options

- discharge by gravity
- discharge with pump, measured via hose reel
- filling from top

Grease Drum provision (1 x 205 ltr. grease drum)

One (1) provision for mounting of 205 ltr. grease drum, mounted on working platform between tank and cabin with one (1) pump, electrically/pneumatically driven with one (1) spring loaded hose-reel, 15m hose with greasing nozzle. Flow-rate depends on the density of the grease. Hose-reel mounted on rear part of working platform

Delivery options

- discharge with pump, via hose reel
- filling with grease drum

Hose and hose-carrier

Two (2) galvanised and painted hose tubes, one (1) mounted on each side of the tank with two (2) hoses

Hose type: NW 65 with 2 ½ inch Cam-lock coupling

Hose length: approx. 3 m each

Standard accessories

Two (2) fire extinguishers, 6 kg each

One (1) 30 ltr. water-tank for potable water

Steel mud-guards mounted above rear axle group

Two (2) working lights mounted on rear part of working platform

Acceptance test

Leakage testing of tank 0,35 bar

Functional test

Paintwork and finishing

All steel parts are sand-blasted and prime-coated.

Tank body painted in one RAL colour.

Accessories partially hot-dip galvanised

Documentation

One (1) spare part list (Paper and USB-Stick)

One (1) operating manual (Paper and USB-Stick)

All instruction plaques, lists, manuals and signs in English language (français sur demande)

Reserve the right to modify or change Specification at any time!

Delivery time (ex works): Start of delivery approx. 10 -14 weeks after receipt of written order confirmation and clarification of all technical and commercial issues and approx. 6-8 weeks after delivery of truck chassis.

Warranty: Starting from date of vehicle taking over, 12 months unconditional warranty on body and welded construction. The warranty is limited to the repair or replacement of broken parts due to construction faults and does not cover damage caused by improper use.

Please do not hesitate to contact us for further information and your special requirements.

All trucks are custom-made.



Fuel tanker and lubrication truck with seven (7) different tank compartments



25000 ltr. tank for diesel fuel. / 4 x 1000 ltr. oil tanks / 1 x 1000 ltr. waste oil tank



Rear right side view with coolant tank above the collapsible access ladder.



At the rear end of the tank a solid and heavy-duty working platform is mounted.
Fixed hand-rail at the platform for safety reason.



Coolant tank (right side) with electrically / pneumatically driven pump
Spring loaded hose-reel, 15 m hose and integrated flow-meter in discharge nozzle



One provision for mounting of 205 ltr. **grease drum**, mounted on working platform, left from coolant tank. With one electrically/pneumatically driven pump and spring loaded hose-reel 15 m hose and greasing nozzle



Steel **cabinet** at the rear side of the working platform mounted, with discharge outlets, with 2 ½ inch Cam-lock, pneumatic operations, pump and metering system.
LED lights are mounted inside the cabinet which are operated by master-switch



Detail: Left side of the cabinet with discharge outlet with 2 ½ inch cam-lock



Detail: Right side of the cabinet with pump and metering system



4 units pneumatic operated oil-pumps, approx. 20-30 ltr/min flow-rate



On the working platform, following **TECALEMIT®** equipment is mounted:

- Large cabinet with diesel refuelling equipment, pump, meter, hose-reels
- 4 x hose-reels with pumps, meter and discharge nozzle for different oil
- 1 x hose-reel with suction-pump and nozzle for waste-oil
- 1 x hose-reel with pump, hose-reel and nozzle for grease
- 1 x hose-reel with pump, hose-reel, meter and nozzle for coolant

All hose-reels are spring loaded with 15 m x DN 12 hoses

This special fuel and lubrication truck body can be mounted on truck chassis of the following manufactures:

- CATERPILLAR
- KOMATSU
- VOLVO
- LIEBHERR
- CASE
- Mercedes-Benz
- MAN
- IVECO
- VOLVO
- SCANIA
- RENAULT
- ISUZU
- etc.

Please do not hesitate to contact us for further information and your **special requirements**.

All trucks are custom-made.

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