

THOMAS'S

VEHICLE SOLUTIONS

Specialist Services

TRAILER

- High capacity payload 33,000 litre aluminium vacuum tanker for measured payloads of non-hazardous products.
- Silent pack donkey engine drawing a high volume CFM (460 CFM) vacuum pump for quicker loading times.
- Efficient loading and discharge from 4" and 6" inlet/outlet ports.
- Maximum hose storage carrying racks.
- Long and short-term hire rates available.
- Available with Tractor Unit and Driver if required.



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Technical Specification Trailer

1. CAPACITY

Capacity 33,000 litres for 44 tonne operation

2. DIMENSIONS

Length limit 10250mm approx

Height limit 3700mm approx

3. BARREL

Full material description

5083'O' grade aluminium

Thickness 6.0mm

Barrel Type Straight Cylindrical non-tipping

Internal finish Sheet As manufactured

Weld As Welded

External finish Primed & Painted

Weld As Welded Slope 2° to rear

Product Non hazardous, non corrosive, neutral pH sewage sludge.

Product SG 1.00

4. BAFFLES

Full material description

5083'O' grade aluminium

Thickness 6mm **No of Baffles** Two

Baffle features Vertical slatted type

Cut outs Top and bottom

Overturn Drain Holes

Yes 2 positioned @ 3 and 9 O'clock

Cleaning Rings No

5. DISHED ENDS

Full material description

5083'O' grade aluminium

Thickness 8.0mm

6. MAN-WAY

Full material description

316L Stainless Steel manlid

Neckring 5083'O' grade aluminium neckring

No. Of Manlids 2 No

Location On top of tank @ front.

No of fasteners Six fastening points 5 standard swing bolts plus 1 safety assembly with instructions etched on the lid

Diameter of Manlid 500mm

Test pressure 2 Bar

Position

1No @ tank top front& 1No in rear dish

Overturn Protection None

7. PRESSURE/VACUUM RELIEF

No. of Relief valves

2 No. 21/2" pressure relief valves

Set at 1 Bar 1 No in tank 1 No in airline

8. STIFFENING RINGS

Full material description Aluminium top hat

Total no of Rings 17No total

Cradle supports 6mm 5083'O' grade aluminium

Vacuum rings As above

9. VENT

No of valves 1No

Size 2.5" pneumatic Knife valve

Control From rear work station

10. PRESSURE / VACUUM LINE

Full material description 3" leaving secondary cut-out and terminating at tanks top cut-out

Test pressure 1.5 Bar

Working pressure 1 Bar / Full Vacuum

11. TOP CUT OUT

Full material description

Crossland design Stainless steel

Location On top of tank at front

Cut out Size 3"

Double ball Yes utilising 6" s/steel and 4" rubber ball

Travelling valve 2.5" pneumatic Knife valve

Control Opens automatically when engine started

12. SECONDARY CUT OUT TANK

Full material description

Crossland design stainless steel

Capacity 80 Litres

Location N/S behind side guards

Manual Drain Yes 1.5" ball valve

Cut out Yes **Cut out Size** 3"

Double ball Yes 6" stainless steel and 4"plastic ball

13. VACUUM EXHAUSTER SILENCER

Location N/S behind side guards

Features Silencer, Oil trap, perfume applicator

14. EXTERNAL OUTLET VALVE

Full material description Cast Iron + S/S blade

No of Valves 1 mounted in rear dish

Model 6" Slide valve

Method of operation

Pneumatic – from rear work station

Coupling 6" Bauer

Blanking cap

6" Bauer + drip cap and HD chain

Note Vacuum breaker & sample valve fitted

15. EXTERNAL INLET VALVE

Full material description Cast Iron

No of Valves 1 mounted @ rear c/w fill pipe

Make Saunders **Model** 4" ball valve

Method of operation Manual

Coupling 4" Bauer

Blanking cap 4" Bauer + drip cap and HD chain

Note Vacuum breaker & sample valve fitted

16. RUNNING GEAR

Make BPW **No of axles** Three

Lift option None **Steer option** None

Type of brakes 420 x 180mm drum brake

EBS Yes – (E.B.S) **Roll stability** Yes

Notes Grease bank for steer axle on side of chassis

17. RIMS

Material Alcoa 22.5 alloy rims

Finish Diamond brite

18. TYRES

Size 385 / 65 x 22.5 **Make** Continental HTR

19. Running gear sub frame

Full material description

304 grade stainless steel

20. LADDER/WALKWAY

Ladder description Stainless steel ladder @ n/s

Walkway On ladder **Handrail** Designed to BS3441

21. HOSE STORAGE

Full material description Full width aluminium trays + securing straps (Trays painted same colour as tank barrel)

Length 6m full length **Hoses** Not supplied

22. SIDE GUARDS

Full material description Aluminium

No. Of Rails Two (2)

23. LANDING LEGS

Jost modular – compensating feet

Winder @ nearside

24. MUDGUARDS

Black PVC c/w 2No anti-spray flaps @ rear

25. RUBBING PLATE

Full material description

Heavy duty mild steel removable

Jost 2" sae bolted kingpin

26. LIGHTING

Rubbolite rear lamp clusters c/w high

level LED stop/tail/indicator clusters.

LED Side Marker lights.

Beacon lamp 1 x @ rear

(Mounted centrally at top of rear dome).

Rear working lamps x 2 (switched from cabinet)

– 1No @ Blower, 1No @ sight glass, 1No @ inlet & 1No @ outlet.

Illumination to control panel. Reversing bleeper.

27. PUMP/VACUUM EXHAUSTER

Make Moro

Model PM100 (460 cfm) directly driven

Air cooled Yes

Location Blower mounted under belly of tanker

Drive Directly driven from donkey engine

through suitable gearbox and flexible coupling

28. ENGINE

Make Hatz Silent pack air cooled

Model 3L41C **Fuel** Diesel

Cylinder 4 cylinder

Fuel tank 80 litre fuel tank to N/S

Cut outs Engine temperature, oil pressure and low oil level

Control From sideguards c/w hours meter

29. SIGHT GLASS

Yes @ front – straight design

Diameter 3"

Type Perspex – protected by a guard.

Valve option

2 No isolating valves manual operation

Rod clearing connections.

Notes 2No sight bubbles on rear dome

30. HAZ-CHEM BOARDS

Yes 3 x GRP / Perspex type

31. TOOLBOX

Type 1No PVC Locker

32. GENERAL NOTES

All valves controlled from rear workstation

All valves labelled – function & position

Details of carbon filter TBA

33. CERTIFICATION

Approval authority HSB IQ

Design code PD5500 & PED

34. OPERATING PRESSURES

Max working pressure 1 bar / 14.7 psi

Max working vacuum 1 bar / full vacuum

Test pressure/vacuum 1.5 bar / full vacuum