

Product Specification					
Product #	BT_ASP_A33_44T1040X		Enquiry #	C-001023	
Product Description	44T ADR Bitumen tanker		Customer	Compton Tankers	
GWV	44 Tonnes	Capacity	33,000L	Material	Stainless Steel
1.0 Vessel Information					
1.1 Barrel Information					
Capacity			33,000L (33,400L Water Capacity)		
Material			304/304L Stainless Steel		
Thickness			3mm		
Type			Straight Cylindrical		
Internal Sheet Finish			As welded		
Internal Weld Finish			As welded		
Internal Lining Type			N/A		
External Finish			Insulated and Cladded		
External Weld Finish			As welded		
Slope			2° to rear		
Product SG			Customer to advise		
Barrell Liner			N/A		
1.2 Tipping Equipment					
No					
1.3 Baffle (s)					
Yes					
Type			Torispherical dished and flanged		
Cleaning Ring			No		
Material			304/304L Stainless Steel		
Thickness			3.5mm – 3mm after forming		
# Of Baffles			4		
Cut-Outs			650mm offset centre, top and bottom horse-shoe		
Overturn Drain Holes			Doubler plates fitted to floor 2 each baffle positioned at 3 and 9 o'clock		
Pot Sizes Required			N/A		
Finish			As spun		
Notes					
1.4 Dished Ends					
Type			Torispherical dished and flanged		
Material			304 Stainless Steel		
Thickness			5mm – 4.5mm minimum after forming		
External Finish			As spun		
Internal Finish			As spun		

1.5 Rear Door	
No	
1.6 Stiffening Rings	
Material	304 Stainless steel
Total # Of Rings	As required for design
# Of Top Hat Rings	As required for design
# Of Flat Bar Rings	As required for design
Cradle Supports Material	304 stainless steel 2B finish
Drill Top Hats	As standard
1.7 Roll Protection	
Yes	ADR Requirement met by spill box
1.8 Product Manways	
Yes	
Type 1	
Material	Stainless Steel
Type of Manlid	Fort Vale – Euro style
# of Manways	2
Diameter of Manlid	500mm
# of Fasteners	6
Safety Bolts	1
Position(s)	Between first and second baffle and one at rear
Hinge Type	Front hinging
Seal Type	Graphite Braided – High Temperature
To ADR Standard	Yes
Overturn Protection	Yes – one front and rear
Manway Spill Box	
Type	S/S
Size	900mm x 1715mm (front) 900 x 900 (rear)
Insulation	Double Skinned (Insulated floor) Fibreglass insulation under splash tray
Dip Point	No (Ullage Bar)
# of Rain Drains	1 (each box)
Size of Rain-drain	50mm external tube (removable)
Lids	Rear hinged aluminium protective lid
Seal Tabs	No
Components to be housed	Relief Valves, Blowline and isolating valves
Notes	

1.9 Steam Pipes		
Yes	<p>Type Material Size Quantity Inlet diameter Outlet diameter Thread</p> <p>Safe Working Pressure Steam Coil Test pressure Steam Reducing valve Relief valve Pressure Setting Material Steam Trap Material Location Outlet Pipe</p> <p>Notes</p>	<p>Internal pipes 304 Stainless Steel 2" schedule 10 2 3/4" BSP 3/4" BSP 3/4" BSP male (terminate through rear dish) 4 Bar 6 Bar No Yes - 3/4" 4 bar Brass Yes Stainless Steel- 3/4" Rear LHS Steam jacketed with steam trap, drain valve and relief valve Warning and operation labels fitted</p>
2.0 Tank Pressure/ Vacuum Relief		
2.1 General		
# Of Relief Valves CE Relief Valves Notes	3 - -	
2.2 Tank Pressure Relief Valve		
Yes	<p>Pressure Setting Type Size Quantity Location Material Description</p>	<p>30 psi 0.5" hg Fort Vale Twinact 2.5" 2 Front spill box 316 stainless steel</p>
2.3 Vacuum Pressure Relief Valve		
No	See 2.2	
2.4 Line Pressure Relief Valve		
Yes	<p>Pressure Setting Type Size Quantity Location</p>	<p>30 psi Fort Vale Twinact 1.5" 1 LHS in pressure line</p>

2.5 Bursting Disc	
No	
3.0 Pressure/ Vacuum Line & Cut Outs	
No	
4.0 Vent/ Blow Valve/ Lines	
Yes	
4.1 Information	
Material Internal Diameter of Pipe	316L Stainless steel (external/removable) 2"
4.2 # Of Valves	
Qty of Valves	2
4.2.1 Valve #1	
Function Size Valve Type Valve Make Control/ Operation Location Notes	Pressure Line 2" Ball Valve Crossland Standard Pneumatically operated with actuator and logic unit Rear secondary valve cannot open unless vent/blowline valve is open In top spill box Manual vent valve in blowline at LHS leg area c/w flexi hose to ground level
4.2.2 Valve #2	
Function Size Valve Type Valve Make Control/ Operation Location Notes	Vent Line 2" Ball valve Crossland Standard Pneumatically operated with actuator and logic unit Rear secondary valve cannot open unless vent/blowline valve is open In top spill box Vent fitted with flexi hose to ground level
4.3 Splitter Line	
Yes	
Quantity Splitter Valve End Connections Notes	1 line 2 valves 50mm Manual Brass NRV 50mm Manual Brass Valve N/A (permanently Fixed) C/W steep entry into rear outlet Add RJT where splitter line goes under belly of tank

4.4 Non-Return Valve	
Yes	
Type	Brass swing type
Size	1.5"
Make	Crossland Standard
Location	Front LHS
4.5 Air Filter	
No	
4.6 Foot & Mouth Filter	
No	
4.7 Blow Line Connection	
Yes	
Type	Stainless steel
Size	1½" BSP c/w Blank cap
Location	Front LHS
4.8 Cabinet	
No	
4.9 Notes	
5.0 Outlet Valves/ Outlets/ Inlets	
5.1 Outlet/ Common Inlet	
Yes	
Type	Crossland assembly
# Of Valves	2
5.1.1 Valve type #1	
Make	Crossland
Type/ Model	Homier Manual hand wheel operation
Size	4"
Seals	Flexitallic PTFE braided
Method of Operation	Manual
Location	LHS
Notes	Hot products (insulated where practical)
5.1.2 Valve type #2	
Make	Tomoe
Type/ Model	NB Butterfly valve
Size	4"
Material	Cast Iron (insulated pipe work)
Seals	Steel
Method of Operation	Air Kinetrol actuator (no logic valve – arrow indicator fitted – actuator to LHS of vehicle)
Location	Rear offset to LHS
Notes	High temp. rated

5.2 Outlet/ Common Inlet Information	
Coupling Adaptor(s) Blanking Cap Shear Groove Joint Guard Operation Drain/ Vacuum Breaker Valve	M/S elliptical bitumen flange None Bolted blank – handle fitted vertically None Lift up cover over flange joint Manual None
5.3 Notes	
6.0 Inlet Valves/ Inlets	
6.1 Inlet	
No	
7.0 Sight Glass	
7.1 Product	
No	
7.2 Water	
No	
7.3 Notes	

8.0 Chassis	
8.1 Running Gear	
8.2 Axles	
Axle Make	Jost
Axle Model	Large disc
Suspension Model	As per axle model standard
Hanger Material	Stainless Steel
# Of Axles	3
Lift Option	No
Lift Location	N/A
Steer Option	No
Steer Type	N/A
Type of Brakes	Disc
Type of brake cylinder	24-30 (spring brakes to all axles)
EBS	Yes
Type	Knorr Bremse (GP2)
# Of Sensors	2S
# Of Modules	2M
Load Sensing	As standard
Auto Slacks	Yes
Hubodometer	No
Location	N/A
Roll Stability	Yes
Suspension dump	No
Raise Lower type	yes
Traction Help	No
TIM	Yes
Additions/ Notes	
8.3 Tyres	
Make	Continental
Model	CHT3
Type/ Size	385 / 65 x 22.5
Spares	No
Notes	
8.4 Rims	
Make	Alcoa
Model	Alloy
Finish	Durabright
Notes	
8.5 Running Gear Subframe	
Material	304 Stainless steel
Type	

8.6 Side Guards	
Type No. of Rails Material Fixing	Fixed 2 Extruded Anodised Aluminium Crossland Standard
8.7 Rear Underrun Bar	
Type/ Make Material Fixed/ Hinging Notes	Stainless steel. unpainted fixed
8.8 Mudguards	
Type Support Colour Notes	Plastic Mounted to chassis Black
8.9 Mud-flaps	
Supplied By Type Size Location Notes	Crossland Anti-Spray Flaps 400mm Each Axle
8.10 Landing Legs	
Make Model Speed Material Winder Location Foot Type Notes	Crossland Standard BPW/ Jost Two speed Mild Steel LHS Compensated
8.11 Rubbing Plate	
Type Lead-In King Pin Type King Pin Make King Pin Diameter Material	Heavy Duty Bolt-In Crossland Type Included in Rubbing Plate Bolted King Pin, Weld in dome Jost 2" 10mm (min) Mild Steel

9.0 Pumps	
No	
10.0 Hose Reel	
No	
11.0 Jetting Options	
No	
12.0 Suction Boom	
No	
13.0 Cabinets	
No	
14.0 Access	
Yes	
Type	Crossland Standard Bitumen LHS access ladder
14.1 Ladder	
Type	Stainless steel – Polished finish
Location	LHS Side guard
#	1
Notes	Recess box in cladding for ladder access
14.2 Catwalk	
Type	Yorgrip
Location	Each side and around front top box
Walk Area/ Length	2945mm
LHS Width	342mm
RHS Width	342mm
Around box	600mm front and rear
Material	Aluminium
Fasteners	Stainless steel
Support brackets	Stainless steel
Kick Plate	No
Notes	3mm Aluminum splash guard under catwalk
14.3 Handrail	
Type	1 rail:1 rope
# of Posts per side	2 each side
Operation	Air operated
Material	Stainless steel rail / Plastic coated s/s wire rope
Design Type	Fully enclosed walkway – 25mm tubing
Height Requirements	1100mm
Control	Pneumatic button in control panel
Brake Interlock	Yes – Brake activated when raised
Notes	Handrail to be lower than catwalk

15.0 Hose Storage	
Yes	
15.1 LHS Storage	
Yes	
Type	Pressed trough trays
Material	Aluminium (small return to outside)
Length	4.6m
Width	300mm
Lids	No
Struts	N/A
Closers	N/A
Central Locking	No
Hose Straps	3 No. straps fitted, equally spaced
Drain Valve	No
Drainpipe	No
Approx. # of hoses carried	1x 4" per tray
Notes	
15.2 RHS Storage	
Yes	
Type	Pressed trough trays
Material	Aluminium (small return to outside)
Length	4.6m
Width	300mm
Lids	No
Struts	N/A
Closers	N/A
Central Locking	No
Hose Straps	3 No. straps fitted, equally spaced
Drain Valve	No
Drainpipe	No
Approx. # of hoses carried	1x 4" per tray
Notes	
15.3 Rear Storage	
No	

16.0 Electrical & Lighting	
Crossland Standard Kit Type	ADR Specification – Type approved loom ELA707
Rear Clusters	M900 – ELA674
End Outline	899B/01/00
Side Markers	890/03/08
Additional Reverse Light	No
High Level Markers	899B/01/00
No. Plate Lamp	645/01/00
Beacons	Yes
Quantity	1
Location	Top Rear of tank
Control	Switched at control panel
Type	Rubbolite 563
Work Lights	Yes
Quantity	2 x 4”
Location	1x at Rear, 1x to illuminate hose tray
Control	Switched at control panel
Type	DGL9700
Scene Lights	No
Cabinet Lights	No
12V Sockets	No
Reverse Alarm	No
Cameras	Bracket on rear haz chem (camera supplied and fitted by Colas)
Suzie Connection	2x15 pin to ADR regulations
Mounting type	Mounted at rubbing plate level
Notes	
16.1 Pin Details	
N/A	
16.2 General Electrical/ Lighting Notes	
17.0 Control	
17.1 Gauges	
17.1.1 Tank Pressure Gauge(s)	
No	
17.1.2 Line Pressure Gauges	
Yes	
Quantity	2
Type	2 ½” Glycerine filled
Pressure	0-4 Bar
Location(s)	LHS in pressure line

17.1.3 Water Pressure Gauge	
N/A	
17.1.4 Thermometer	
Yes	<p>Quantity 1</p> <p>Type Crossland Standard Analogue gauge</p> <p>Temperature 0-300°C</p> <p>Location(s) Above homier hand wheel</p> <p>Notes Stainless steel protection fitted</p>
17.1.5 Gauges Notes	
17.2 Control Box	
Yes	<p># of Control Box 1</p> <p>Type 1</p> <p>Quantity 1</p> <p>Type Stainless steel box</p> <p>Location Fitted to LHS side guard area</p> <p>Brake Interlock Brakes applied when rear secondary valve or either top valve is open</p> <p>Notes Basic operation – all valves on separate buttons – rear secondary cannot open unless either one of top valves are open. All switches pull to operate</p>
17.3 Emergency Shut Down	
Yes	<p>Description Park/Shunt type valve</p> <p>Quantity 4</p> <p>Location 2x either side at sideguards, 2x at rear</p> <p>Notes</p>
17.4 PTO Control	
No	
17.5 Remote Controls	
No	
17.6 PLC Controls	
No	

18.0 Shipping Options	
18.1 Leg Box	
Yes	Trestle support integrated into leg area
Notes	
18.2 Handrails	
Yes	Handrails not to extend beyond front dome
18.3 Rear Crash Bar	
No	Departure angle to be a minimum of 15° from the horizontal
18.4 Shipping Hooks	
Yes	Stainless Steel D type on bogie Lasered on rubbing plate and leg area
Type	
Quantity	4 per side c/w anchor labels
Location(s)	Rubbing plate, legs and front/rear of bogie
19.0 Cladding & Insulation	
Yes	
19.1 Cladding information	
Material	Stainless steel
External Finish	Bright annealed
Thickness	0.6mm
Joints	Panels overlapped with dumb-bell strips on ends only
Notes:	
19.2 GRP Dome Ends	
Material	GRP
Type	Yellow
Notes:	
19.3 Insulation	
Type	Foil backed "Rockwool" & Polystyrene
Thickness	2 No. layers 50mm Rockwool (25mm over stiffening rings) 1 No. Layer 20mm Polystyrene over all 95mm finish depth
Notes:	
19.4 Cladding & Insulation Notes	

20.0 Painting Options	
20.1 Paint Information	
20.1.1 Paint Type 1	
Colour Code (ICI/ RAL) Type	Black TBC Two pack polyurethane
20.2 Chassis Paint Information	
N/A	
20.3 Tank Paint Information	
Front Dome Rear Dome Bearers Rubbing Plate Landing Legs Axles Wheels Wheel Hubs Mudguards Side Guards Hose Tube/ Tray Name Boards Rear Cabinet Side Cabinet/ Storage Wet Cage Pump & Equipment Outlet Connections Notes	Yellow Yellow N/A Paint Type 1 Paint Type 1 Paint Type 1 As supplied Paint Type 1 As supplied As supplied As supplied N/A As supplied As manufactured N/A N/A As supplied N/A

Customer Paint Scheme Approval	
Name:	Date:
_____	_____
Signed:	Company:
_____	_____

21.0 Labelling/ Signage	
21.1 Conspicuity	
Side Colour	White
Rear Colour	Red
21.2 Chapter 8	
No	
21.3 Name Boards	
No	
21.4 Customer Livery	
Not Fitted	
21.5 Operation Decals	
Fitted as standard	
21.6 Hazchem Boards	
Yes	
Type	Standard black hazard boards
Quantity	3
Location	LHS, RHS and rear
Notes	Sec. Diamond holders fitted
22.0 Ancillary Equipment	
22.1 Earthing Points	
Yes	
Type	10mm Brass
Quantity	2
Location(s)	1x Chassis adjacent to rear outlet 1x to man-lid area
Notes	
21.2 Fire Extinguisher	
Yes	
Type	9kg
Quantity	1
Carrier	Red open fronted box
Location	O/S landing leg area
21.3 Spill Kit	
Yes	
Type	Oil type
Quantity	1
Carrier	ADR spill kit carrier
Location	O/S rear

22.4 Emergency Shower	
No	
22.5 Wheel Chocks	
Yes	
Type	Yellow plastic
Quantity	2
Location	Between landing legs
22.6 Ancillary Storage	
Yes	
Type 1	
Type	Large Stainless steel storage box
Quantity	1
Size	1m long minimum
Location	Offside between side guard
Note	
22.7 Cone Holder	
Yes	
Qty	1
Type	S/S Tubular Cone Holder
Location	Landing Legs Area Offside.
Notes	3 No Cones Supplied
22.8 Document Holder	
Yes	
Type	Jonesco Red Tube
Position	Under hose tray front
22.9 Sample Box	
No	
22.10 Sample Valve	
No	
22.11 Spanners	
No	
22.12 Vice	
No	
22.13 Hose	
No	
22.14 Hand Wash	
No	
22.15 Soap Dispenser	
No	
22.16 PA System	
No	

22.17 Cyclist Warning	
No	
22.18 Generator	
No	
22.19 Brush	
No	
22.20 Shovel	
Yes Qty Type Location	N/A
22.21 Ladder	
No	
23.0 Calibration	
Yes Type Notes	Ullage bar Ullage bar in rear side of front neck 304 stainless steel Welded to splash plate
Operating Parameters	
Max Working Pressure Max Working Vacuum Test Pressure/ Vacuum Design Temperature	2 Bar Atmospheric 4 Bar -20°C to +250°C
Commissioning/ PDI	
Crossland issue an instruction manual with every tanker For a driver training day please get in contact with your sales representative	
Warranty Schedule	
Barrel Crossland Components 3 rd Party Supplied Components	1 Year 1 Year As supplied
Certification	
Type approval Tanker Certified by Certification ADR Category Design Code Test Details	Tanker supplied with European Whole Vehicle Type Approval Certification British Engineering Services ADR & IM04 L4BN EN14025/ADR ADR certification & testing arranged by Crossland

Dimensions	
ULW	7.6 tonnes approx.
Length Limit	11.2m approx.
Height Limit	3.6m max @ 1250 FWH
Fifth Wheel Height	1250mm
Additional Notes	
<ul style="list-style-type: none">• All fasteners Stainless Steel• All wiring to ADR Specification• 14.7 tonne plated king-pin minimum	