

## CHALLENGER TANKER



The MAJOR Challenger Tanker is a fresh approach to tandem axle tankers. Using a heavy duty industrial strength bogey axle assembly, the front axle can be lifted by hydraulic control. This allows the operator to turn tighter corners on the headlands or in the yard and eliminates damage to soil structure, ground conditions and tyres.

The axle lift also acts as a weight transfer mechanism to the tractor and aids traction. When the tank is full, the drawbar weight can be increased from 3.3 tonne to 4.7 tonne when the lift mechanism is activated.

This machine features a host of standard equipment including adjustable drawbar,

swivel hitch, lockable pipe brackets. As with the LGP range the Challenger series is easily customised with a range of optional extras detailed on pages 23 - 27.

The Challenger tanker is fitted with filler points on each side of tanker and two on the rear. A hydraulic powered vacuum pump is fitted as standard, eliminating PTO shaft maintenance or spinning PTO shafts to work around. This creates a safer environment for the operator. The hydraulic pump drive and lift axle maintain vacuum pressure.



# CHALLENGER TANKER

## STANDARD EQUIPMENT

- Four fill points
- 12" front inspection port
- Adjustable drawbar
- Lockable Pipe Brackets
- Mudguards
- 8000 litre hydraulic pump
- Anti Vibration rubber backed lights
- Hydraulic brakes
- 20 ft long 6" Vacuum Hose
- Low spread plate
- Hinged back door
- Integral sump
- Hand brake
- Sight glasses front & rear
- Hydraulic rear gate valve
- Two pack paint finish



| MODEL | Capacity    | OA Length<br>(Hitch to<br>coupling ball) | OA Width<br>(Tyre<br>dependant) | OA Height<br>(Add tractor<br>hitch) | Weight<br>(Empty) | Weight<br>(Full) |
|-------|-------------|--|---------------------------------|-------------------------------------|-------------------|------------------|
| 3000C | 3021 Gallon | 8.06m                                    | 2.64m                           | 3.38m                               | 6800Kg            | 20080Kg          |
| 3500C | 3550 Gallon | 8.06m                                    | 2.64m                           | 3.6m                                | 7600Kg            | 22300Kg          |

## OPTIONAL EXTRAS



### Mudguards & Rails

- Rails offer a safe method for carrying hoses etc
- Manufactured from 3mm steel with a painted finish
- Mudguards ensure a cleaner tank

Available on: Slurry Vac tankers



### Garda 8000/10000/12000 Litre Pump c/w Raingun and hydraulic motor

- Combination pump PTO driven with vacuum pump for filling and pressure pump for jetting
- Suitable for spreading slurry on inaccessible land, dust suppression & fire fighting
- Features a stone trap to prevent damage to the centrifugal pump and blockages to the jetter gun

Available on Slurry Vac (8000 & 10000 litre only), LGP & Challenger tankers



### Front Inspection Hatch

- Used for the cleaning out the inside of the tanker
- 12" quick release connection

Available on: LGP & Challenger tankers



### Hydraulic Top Hatch c/w hoses

- For use with static pump
- Ease of access for cleaning

Available on: Slurry Vac, LGP & Challenger tankers

## OPTIONAL EXTRAS



### Sidefill c/w coupling and manual valve

- Option to fit sidefills in four different positions
- Easy connection of hose to the tanker

Available on: LGP & Challenger tankers



### Washdown Hose Assembly c/w couplings

- Consists of 2" Gate valve and 2" quick hose connector
- 2" layflat hose for easy storage
- Suitable for all washdown & cleaning operations
- Used for water transfer for animals, plants etc

Available on: Slurry Vac, LGP & Challenger tankers



### Cyclone Trap

- Additional safety feature to protect the vacuum pump
- Prevents frothing and pulsating

Available on: LGP & Challenger tankers



### 30.5 R32 Wheels in lieu of 28.1 R26 Wheels

- Larger footprint and flatter profile
- Available on: LGP & Challenger tankers

### 29-5/75 R25 Wheels in lieu of 30.5 R 32

- 26 ply rating
- Longer life span

Available on: LGP & Challenger tankers

## OPTIONAL EXTRAS



### Rear Filler

- Attached to the rear of the tanker
- Controlled by hydraulic ram
- Operator can lower the boom, open the 6" gate valve by hydraulic control and fill the tanker
- Once the tank is full the operator lift the boom into transport position

Available on: LGP & Challenger tankers



### 6" Auto Filler c/w hydraulic changeover

- Consists of two way ram connected to vacuum pump controls
- Used on tankers with auto filler and injection units
- Eliminate the necessity for operator to leave tractor cab

Available on: LGP & Challenger tankers



### 8" Auto Coupler c/w hydraulic changeover

- Consists of two way ram connected to vacuum pump controls
- Used on tankers with auto filler and injection units
- Eliminate the necessity for operator to leave tractor cab
- Longer stroke on the ram than the 6"

Available on: LGP & Challenger tankers



### Full Length Sight Gauge

- 3" clear plastic tube and allows easy access for cleaning
- Offers greater control when the tanker is almost empty

Available on: LGP & Challenger tankers

## OPTIONAL EXTRAS

### Hinged Back Door

- Used for the cleaning out the inside of the tanker

Available on: LGP & Challenger tankers

### Extra Sight Glasses

- 3" bubble type inspection glass
- Easily removed for cleaning
- Can be used as a safety valve when over pressured

Available on: LGP & Challenger tankers

### 8000/10000 & 12000 Litre PTO Driven Pumps

Available on: LGP & Challenger tankers

### 10000/12000 litre pumps in lieu of 8000 litre

- Quicker response times with lower tractor power requirement

Available on Slurri Vac (10000 litre only), LGP & Challenger tankers

### Air Brakes and Air/Hydraulic Brakes

- Air brakes - standard air brakes
- Air/Hydraulic brakes have a dual facility

Available on: LGP & Challenger tankers

### Breakaway System

- An override air brake system

Available on: LGP & Challenger tankers

### Custom Paint Finish

- Finish available in corporate colours

Available on: Challenger tankers (1 colour)

### Buttress

- Fittings on a tanker during manufacture to allow use of the MAJOR Slurry injection system at a later stage

Available on: LGP & Challenger tankers

## OPTIONAL EXTRAS

### Road Blaster Bar

- Fitted underneath the tanker for dust suppression & road cleaning

Available on: LGP & Challenger tankers

### Water Spinner

- Hydraulically powered and attached to the rear 6" gate valve
- Atomises the water for dust suppression

Available on: LGP & Challenger tankers

### Road Sweepers

- Located on a four point linkage to rear of the machine
- Can be swivelled 30 degrees from left to right for road cleaning

Available on: LGP & Challenger tankers

### High capacity reel & drain cleaning pump

- Suitable for industrial drain cleaning & dust suppression

Available on: LGP & Challenger tankers

There are many other specialist extras available for both agricultural and industrial applications. If you require an item not detailed here please contact your MAJOR rep.