

**IMPORTANT INFORMATION REGARDING OUR NEW LIFTING SLINGS AND TANK OFFLOADING PROCESS**

Please note that Tank Solutions Tanks are no longer being supplied with Lifting Lugs but are instead fitted with suitably rated Flat Slings for lifting purposes.

When delivered to site the tanks will be pre-fitted with two reeved lifting slings. One end of each sling will be secured to the deck of the trailer.

The slings should be positioned on flats which are marked 'Lift Here'. Check to ensure the slings are located on these flats. If the slings are located on Flats which are not marked 'Lift Here' please contact Tank Solutions immediately.



Picture 1 – Ensure sling is located over Flat marked 'Lift Here'

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**Western Australia:** GRP Tank Solutions - 7 Kalmia Road, Bibra Lake WA 6163. **p 61 8 9434 1707**

Once it's been established that the slings are positioned correctly, follow the steps below to unload the tank:

- 1) Ensure Crane Drivers, Riggers and Dogmen are suitably qualified.
- 2) Release the secured the ends of the two slings from the deck of the trailer (Refer Picture 2)



Picture 2 – Loose ends of slings secured to the deck of trailer

- 3) Lower the crane hook to a point where the hook can be connected to the looped ends of the slings.



Picture 3 – Secure loose ends of the slings over the crane hook

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- 4) Once the slings have been secured, carefully position the crane in such a way that the load on both slings is equal.



Picture 4 – Ensure an equal load on both slings

- 5) Slowly raise the crane hook, ensuring that the choke hitch is located over the centreline of the tank, and that the choke hitch is pulled tight before the lift is made NOT pulled down during the lift.
- 6) It may be that the sling needs to be adjusted to ensure the choke hitch is located over the centreline of the tank. If this is the case, lower the crane hooks slightly to relieve the tension on the slings and pull the sling on the appropriate side from the bottom of the tank, then slowly take up the tension on the slings. Repeat this process as required until the choke point is located over the centerline of the tank and is pulled tight.



Picture – Adjusting the Choke Point

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- 7) Lift the tank off the truck as usual
- 8) If the tank lifts on an angle, carefully lower the tank and adjust the length of lifting chains accordingly.
- 9) Position the tank on the ground. If the tank is not in the vertical orientation (with manway at the top of the tank), the tank may need to be rotated to vertical. If that is the case, offset the choke point slightly to one side and raise the tank off the ground slightly which will rotate the tank. Lower the tank into position. Repeat if required until the tank is positioned correctly.

The slings are provided to reduce the risks associated with working at heights, and as such no attempt should be made to retrieve the slings, instead they are to be treated as a 'one off' use only and buried with the tank.

Once the tank has been placed and strapped down, but prior to backfilling, check the location of the slings in relation to the tank fittings. If the slings are located on flats which also contain fittings, simply undo the reeve and lay the loose ends of the sling off to the side of the tank. Failure to do this prior to backfilling could result in a situation where one end of the sling is buried by backfill making it more difficult to undo the sling due to the weight of backfill over the sling.

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