

Tank Transport



Data project sheet

Project:	Transport Tanks
Project location:	Gladstone, Queensland, Australia
Equipment:	Various:- Prime Mover & 7x8 Trailer, 9 axle - 2 file Goldhofer, 12 axle - 4 file Goldhofer
Weights:	Maximum 44t

Summary

ALE were tasked with the transport of 8 large fabricated tanks from Gladstone Pressure Welders, Blain Drive Gladstone approximately 5km across town to Bechtel PJET's GLNG LOLO, where they would be taken by barge to the GLNG Project on Curtis Island.

The 8 tanks varied in physical dimensions and weight, also some tanks had a sump protruding from the underside and others needed to be transported with stairs and landings attached; therefore trailer selection was on a case by case basis, taking all these things into consideration.

Prior to transport each tank required engineering checks for stability and lashing requirements, trailer selection and tank orientation along with transport drawings. The size of some tanks dictated the need to remove/reposition street lights and in some cases transport on weekends due the requirement to disconnect power lines. The 8 tanks were transported safely and without incident over 10 months, February 2013 November 2013.

The 8 tanks were as follows:

1. Waste Oil Tank 7.5m diameter x 9m high x 15t – transported in the upright position complete with platform and ladder, using 9 axle lines of Goldhofer SPT – 2 file (14th February 2013),
2. Neat Amine Storage Tank 9.5m diameter x 11.5m high x 30t – transported in the upright position complete with stairs and platforms, using 9 axle lines of Goldhofer SPT – 2 file (18th March 2013),
3. Amine Surge Tank (1 of 2 units) 8.7m diameter x 23m high x 44t – transported lying down in bolsters, using 12 axle lines of Goldhofer – 4 file (17th April 2013),
4. Hot Oil Tank 9.5m diameter x 11.5m high x 32t – transported in the upright position complete with stairs and platforms, using 9 axle lines of Goldhofer SPT – 2file (6th May 2013),
5. Demineralised Water Storage Tank 9m diameter x 10m high 24.5t – transported in the upright position complete with platform and ladder, using prime mover and 7x8 trailer (3rd June 2103),
6. Treated Effluent Tank 8.5m diameter x 11m high 29t – transported in the upright position complete with stairs and platforms, using prime mover and 7x8 trailer (26th June 2103),
7. Amine Surge Tank (2 of 2 units) 8 m diameter x 23m high x 44t – transported lying down in bolsters, using 12 axle lines of Goldhofer – 4 file (16th September 2013),
8. Raw Water 10m diameter x 17.5m high x 42t – transported in the upright position complete with upper platform, using 12 axle lines of Goldhofer – 4 file (17th November 2013).



The first tank – Waste Oil Tank – Leaving GPW's Yard



The Neat Amine Tank negotiating a roundabout (wrong side travel)



The Amine Surge Tank



The Treated Effluent Tank



The 8th and Final Tank – Raw Water Surge Tank



The Raw Water Tank approaching bridge crossing.