

Our Ref: 29483-3

14 September 2012

Trang Imagineering  
74 Astill Drive  
Orange NSW 2800

Attention: Mr Edi Hewa

**3000L DIESEL TANK  
STRUCTURAL DESIGN CERTIFICATE**

We certify that we have checked the structural design of the 3000L Diesel Tank as shown on the following Trang Imagineering Drawings:

Drawing No.	Revision	No. of sheets	Title	Plot Date
154005	A	14	3000L Diesel Tank	14/9/2012
4.75TONNE LIFT LUG	A	2	4.75 Tonne Lift Lug Assy	14/9/2012
SPILL BOX	A	2	Spill Box	5/9/2012
SPILL BOX LID	A	2	Spill Box Lid	4/9/2012

We have carried out a structural analysis in accordance with the following SAI Codes of Practice:

- AS/NZS 1170.0 Structural design actions – General principles
- AS/NZS 1170.1 Structural design actions – Permanent, imposed & other actions
- AS 1692 Steel tanks for flammable combustible liquids
- AS 2809.1 Road tank vehicles for dangerous goods – General requirements for all road tank vehicles
- AS2809.2 Road tank vehicles for dangerous goods – Road tank vehicles for flammable liquids
- AS 4100 Steel structures

The structure shown would be sufficient to carry the relevant loads in accordance with AS 1692 and AS 2809.2. We note that our design review assumes that the lifting chains will not be at an angle greater than 30 degrees from vertical when lifting. We have assumed the tank will be free venting, in accordance with AS 1692 clause 2.7.1. Furthermore, all welds to the members shown in the drawings noted above shall be 6mm continuous fillet welds (SP category).

This certification shall not be construed as relieving any other party of their responsibilities, liabilities or contractual obligations.

We trust that this information meets your requirements. Please do not hesitate to contact the undersigned should you require any further information.

Yours faithfully  
COOK AND ROE



Wayne Roe  
Structural Engineer