



Vict

Dangerous Goods Transport Bulk Road Design Approvals

20th October 2010

Peter Vitali Dangerous Goods Unit Hazards Management Division

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WorkSafe Legislation that applies to Dangerous Goods Transport in Victoria



Dangerous Goods Act 1985

Dangerous Goods (Transport by Road or Rail) Regulations 2008

- -To reduce as far as practicable the risk to persons, environment and property; and
- -To give effect to the ADG Code (Technical Requirements); and
- -To promote consistency between all States and Territories
- To promote intermodal consistency (Sea, Air & Road)

Australian Code for the Transport of Dangerous Goods by Road & Rail 7th Edition

Vol 2 Chapter 6.9 calls up Australian Standard AS 2809 Parts 1 to 6 "Road Tank vehicles for dangerous goods" as applicable.

- Based on United Nations Model Regulations

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Background Dangerous Goods Road Transport



Background:

There are approximately 6710 Vehicles licensed to Transport Dangerous Goods

Transporting predominantly

- Petrol
- LP Gas

Other Goods

- Corrosives: Sulphuric Acid, Hydrochloric Acid, Caustic
- Gases: Chlorine, Oxygen, Nitrogen, Carbon Dioxide
- Elevated temperature products: Bitumen



Fuel Tanker





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ADG Code – bulk vehicle design compliance plates





ADG Code – bulk vehicle design compliance Work Safe plates

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Problem on existing plates, the name of the issuing Authority is not shown (Refer to Part 6.9.2.2.3 of Code)

N.S.C. APPROVAL No.9/0/B MAKER TIEMAN INDUSTRIES PTY. LTD. 2809/2 3926 **TOBER 2009 TOBER 2009** OC 5 kPa 5.0mm THICK 316 STAINLESS STEEL 5.0mm THICK 316 STAINLESS STEEL COMP 6 COMP 5 COMP 4 COMP 3 LT 8,298 LT 8.143L Review Road Transport -15 October 2010 Page 7

AUSTRALIAN TANK ENGINEERING PTY LTD. tankers Phone: 03 9310 2722 - www.atetankers.com.au 23/02/2010

TANKER SERIAL NO. DATE OF MANUACTURE **DESIGN CODE** APPROVAL NO. **DESIGN PRESSURE** HEAD MATERIAL SHELL MATERIAL MAX. PRODUCT DENSITY MAX. PRODUCT MASS TOTAL CAPACITY 9850

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10-0159 FEBRUARY 2010 AS2809.1 & AS2809.2 VDGT 1320 kPa 35 7.0mm ALUM. 5083-0-TEMP. 5.0 mm ALUM. 5083-H321 Kg/LITRES 1.0 Ka 9850 LITRES 9850 C5 N/A LT C4 N/A LT C3 N/A

DATE OF TEST **TEST PRESSURE** 23/02/2010 NEXT TEST DATE

35	kPa	

N/A

NOTICE: THIS TANK IS CALIBRATED WITH INTERNAL VALVE OPEN & WITHOUT MANIFOLD FITTED.

WARNING: **REPAIRS OR ALTERATIONS TO THIS** TANK, PIPING, VALVES OR MANIFOLD MAY AFFECT THE ACCURACY OF THE ORIGINAL CALIBRATION AND CONDITIONS OF APPROVAL.

C6 N/A

Dangerous Goods Design Plate





Dangerous Goods Bulk Transport – Road Tank vehicle designs *Stability angle*

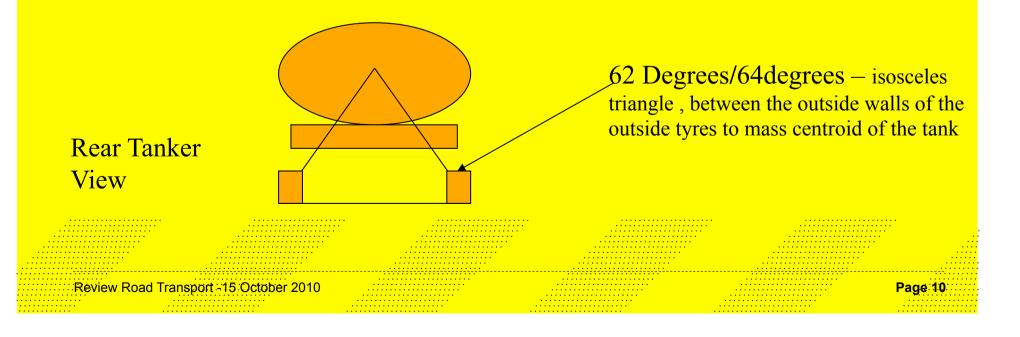


Dangerous Goods Act 1985

AS 2809.1 2008 Stability angle

Clause 2.1.1 Fully loaded Tanker

Must have a stability angle not exceeding 64 degrees for a rigid road tank vehicle and:
Must not exceed 62 degrees for all other vehicles



What can you do to ensure your tankers are in order ?



Dangerous Goods Act 1985

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- 1. Ensure that your tanker has a valid design approval compliance plate.
- 2. Undertake the regular industry safety inspections for the tanker.
- 3. Maintain the tanker in a fit for road transport use.
- 4. Maintain all required dangerous goods and general heavy vehicle licences current and fully compliant.

When presenting the road tank vehicle for either a new or renewal of a bulk vehicle license ensure the required application to WorkSafe Victoria has the correct Dangerous Goods Bulk vehicle design approval number quoted – e.g. VDGT 2044 If this number is not provided or is not correct it will cause unnecessary delays license issue.

The WorkSafe Victoria Website has <u>www.workcover.vic.gov.au</u> has all required applications including guidance notes and documents for download and application lodgements