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Dangerous Goods Tank Design Approval Application – Vacuum Tanker Compliance Report

## Additional requirements for vacuum tankers

You must explain how the tank vehicle will comply with each of the clauses in the standard listed below. It is not sufficient to state that the vehicle complies: you must explain **how** the vehicle complies with the relevant requirements contained in the standard, with reference to evidence where necessary. This ensures the reviewer can confirm whether the vehicle is compliant.

If there are any items that are not compliant, contact the EPA to discuss these non-compliances before submitting the application. While in some circumstances the EPA may approve a tank vehicle that does not comply with a particular requirement, you will need to explain:

* why the variation from the standard is necessary
* what alternative criteria the variation should be assessed against
* why the design does not result in greater risk than one that complies with the requirement.

This document must be submitted along with an application for a dangerous goods tank design and the other relevant compliance reports.

Contact the EPA to obtain a copy of the ADR and API requirements if needed.

| Clause | Comment or explanation | Reference(specs or drawings) | Compliant(Y, N, N/A) | Office use only |
| --- | --- | --- | --- | --- |
| **AS 1210 – Pressure Vessels** |
|  | Design registration |  |  |  |  |
| **ADR 2019 Chapters 4.5 and 6.10 [[1]](#footnote-1)NOTE** |
| 4.5.2.2 | Low level tank openings |  |  |  |  |
| 4.5.2.3 | Discharge using air pressure |  |  |  |  |
| 6.10.3.5 (a) | Ends leak-tight |  |  |  |  |
| 6.10.3.5 (b) | Unintentional opening |  |  |  |  |
| 6.10.3.5 (c) | Power failure |  |  |  |  |
| 6.10.3.5 (d) | Remain closed while under residual pressure |  |  |  |  |
| 6.10.3.5 (e) | Protection of openable end |  |  |  |  |
| 6.10.3.7 (a) | Stop valve/rotation crown wheel |  |  |  |  |
| 6.10.3.7 (b) | Transport while stop valve closed |  |  |  |  |
| 6.10.3.7 (c) | Impact on boom |  |  |  |  |
| 6.10.3.8 (a) | Divert exhaust vapours |  |  |  |  |
| 6.10.3.8 (b) | Flame prevention |  |  |  |  |
| 6.10.3.8 (c) | Pressure safety device |  |  |  |  |
| 6.10.3.8 (d) | Stop valve  |  |  |  |  |
| 6.10.3.8 (e) | Pressure/vacuum manometer |  |  |  |  |
| 6.10.3.8 (f) | Level indicator |  |  |  |  |
| **API Recommended Practice 2219** |
| 5.6.1 | Remote vent/raiseable stack |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Vehicle description | enter text. | Manufacturer | enter text. |
| Capacity | enter text. | Number of compartments | enter text. |
| I declare the information I have supplied in this application is not false or misleading and is an accurate assessment of the design against the standard. |
| Name | enter text. |
| Position | enter text. |
| Email | enter text. |
| Signature  |  | Date | enter text. |

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1. NOTE: This reference to ADR is to the *European Agreement concerning the International Carriage of Dangerous Goods by Road*. A copy is available from the UNECE website at https://www.unece.org/trans/danger/publi/adr/adr\_e.html [↑](#footnote-ref-1)