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Dangerous Goods Tank Design Approval Application – AS 2809.3:2021 Compliance Report

## AS 2809.3: Requirements for vehicles transporting compressed liquefied gases

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.

| Clause | | Comment or explanation | Reference (specs or drawings) | Compliant (Y, N, N/A) | Office use only |
| --- | --- | --- | --- | --- | --- |
| 2.1.1 | Tank designs |  |  |  |  |
| 2.1.2 | Components required |  |  |  |  |
| 2.1.3 | Suitability |  |  |  |  |
| 2.1.4 | Valves |  |  |  |  |
| 2.1.5 | Tanker loading connections |  |  |  |  |
| 2.1.6 | Tank identification |  |  |  |  |
| 2.2.1.1 | Valve systems – general |  |  |  |  |
| 2.2.1.2 | Valve systems – liquid in/out opening |  |  |  |  |
| 2.2.1.3 | Valve systems – liquid in, bypass return, top fill |  |  |  |  |
| 2.2.1.4 | Valve systems – vapour connections |  |  |  |  |
| 2.2.1.5 | Valve systems – tubing supplying air actuated valves |  |  |  |  |
| 2.2.2 | Pipeline shut-off valve |  |  |  |  |
| 2.2.3 | Outlet protection |  |  |  |  |
| 2.2.4 | Control of tank quick-closing valves |  |  |  |  |
| 2.2.5 | Excess-flow valves |  |  |  |  |
| 2.2.6 | Installation of excess flow-valves |  |  |  |  |
| 2.3.1 | Provision of safety valves |  |  |  |  |
| 2.3.2 | Installation of safety valves |  |  |  |  |
| 2.3.3 | Hydrostatic relief valves |  |  |  |  |
| 2.4.1 | Content gauges – general |  |  |  |  |
| 2.4.2 | Fixed liquid level gauges |  |  |  |  |
| 2.4.3 | Variable contents gauges |  |  |  |  |
| 2.4.4 | Gauge bleed hole |  |  |  |  |
| 2.4.5 | Marking |  |  |  |  |
| 2.5.1 | Pressure gauge |  |  |  |  |
| 2.5.2 | Temperature gauge |  |  |  |  |
| 2.6 | Manual shut-off valves |  |  |  |  |
| 2.7.1 | Pipework and pipe fittings – design |  |  |  |  |
| 2.7.2 | Pipework and pipe fittings – joints |  |  |  |  |
| 2.7.3 | Testing of pipework |  |  |  |  |
| 2.7.4 | Flexible pipe connections |  |  |  |  |
| 2.7.5 | Bleed valves |  |  |  |  |
| 2.8.1 | Pumps and compressors – suitability |  |  |  |  |
| 2.8.2 | Pressure limitation |  |  |  |  |
| 2.8.3 | Pumps |  |  |  |  |
| 2.8.4 | Compressors |  |  |  |  |
| 2.8.5 | Location of controls |  |  |  |  |
| 2.9.1 | Transfer hose |  |  |  |  |
| 2.9.2 | Hose assembly testing |  |  |  |  |
| 2.9.3 | Protection of hoses |  |  |  |  |
| 2.9.4 | Cargo transfer protection |  |  |  |  |
| 3.1 | Flammable gases – valves |  |  |  |  |
| 3.2 | Flammable gases – pumps |  |  |  |  |
| 3.3 | Flammable gases – transfer hose |  |  |  |  |
| 3.4 | Flammable gases – couplings |  |  |  |  |
| 3.5.1 | Flammable gases – bonding |  |  |  |  |
| 3.5.2 | Flammable gases – earthing |  |  |  |  |
| 3.6 | Flammable gases – hazardous areas |  |  |  |  |
| 4.1 | Anhydrous ammonia – valves |  |  |  |  |
| 4.2 | Anhydrous ammonia – transfer hose |  |  |  |  |
| 4.3 | Anhydrous ammonia – couplings |  |  |  |  |
| 4.4 | Anhydrous ammonia – temperature gauge |  |  |  |  |
| 6 | Chlorine road tank vehicles |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 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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