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Dangerous Goods Tank Design Approval Application – AS 2809.6:2019 Compliance Report

## AS2809.6 – Requirements for vehicles transporting cryogenic liquids

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 design |  |  |  |  |
| 2.1.2 | Insulation |  |  |  |  |
| 2.1.3 | Outer shell |  |  |  |  |
| 2.1.4 | Components required |  |  |  |  |
| 2.1.5 | Materials and component design |  |  |  |  |
| 2.1.6 | Cleaning |  |  |  |  |
| 2.2.1 | Accident protection |  |  |  |  |
| 2.2.2 | Valving |  |  |  |  |
| 2.2.3 | Outlet protection |  |  |  |  |
| 2.3.1 | Safety valves |  |  |  |  |
| 2.3.2 | Reserve safety valves |  |  |  |  |
| 2.3.3 | Hydrostatic relief valves |  |  |  |  |
| 2.3.4 | Overpressure protection for the vacuum insulation space |  |  |  |  |
| 2.4.1 | Contents gauge – general |  |  |  |  |
| 2.4.2 | Contents gauge – location |  |  |  |  |
| 2.4.3 | Contents gauge – marking |  |  |  |  |
| 2.5.1 | Pressure gauge |  |  |  |  |
| 2.5.2 | Vacuum gauge |  |  |  |  |
| 2.6 | Pressure build coil |  |  |  |  |
| 2.7.1 | Piping, etc. – design |  |  |  |  |
| 2.7.2 | Piping, etc. – joints |  |  |  |  |
| 2.7.3 | Piping, etc. – testing of pipework |  |  |  |  |
| 2.7.4 | Piping, etc. – flexible pipe connections |  |  |  |  |
| 2.7.5 | Piping, etc. – bleed valves |  |  |  |  |
| 2.7.6 | Piping, etc. – manual shut-off valve |  |  |  |  |
| 2.8.1 | Pumps, etc. – suitability |  |  |  |  |
| 2.8.2 | Pumps, etc. – pumps |  |  |  |  |
| 2.8.3 | Pumps, etc. – compressors |  |  |  |  |
| 2.8.4 | Pumps, etc. – location of controls |  |  |  |  |
| 2.9.1 | Transfer hoses |  |  |  |  |
| 2.9.2 | Connections |  |  |  |  |
| 2.9.3 | Assembly testing |  |  |  |  |
| 2.9.4 | Protection of hoses |  |  |  |  |
| 3.1 | Tank materials |  |  |  |  |
| 3.2 | Valves |  |  |  |  |
| 3.3 | Bleed valves |  |  |  |  |
| 3.4.1 | Protection of openings |  |  |  |  |
| 3.4.2 | Operational flow control |  |  |  |  |
| 3.4.3 | Openings for gauges |  |  |  |  |
| 3.4.4 | Vapour pressure gauges |  |  |  |  |
| 3.4.5 | Location of emergency stop buttons |  |  |  |  |
| 3.4.6 | Installation of excess flow valves |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 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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EPA 2021P3176

July 2021  
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