**LNG TRUCK APPROVAL CHECKLIST**

**Following information must be sent to Fluxys LNG by e-mail (**[**Truck@fluxys.com**](mailto:Truck@fluxys.com)**):**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Truck Company | |  | | | | | | |
|  | Container/Road Tanker Code[[1]](#footnote-1) | |  |  | |  | | |  |
|  | VIN[[2]](#footnote-2) | |  |  | |  | | |  |
|  | Total volume of tank (cold condition) | | m³ | m³ | | m³ | | | m³ |
|  | Unladen tare mass of ‘Container’ or ‘Road Tanker’ | | kg | kg | | kg | | | kg |
| 1. **Required information** | | | | | | | | | |
|  | * 1. Dimensions of the road tanker/container (length, width, height) | | | | | | | | |
|  | * 1. Location of flanges and dimensions (pictures): required coupling should be | | | | | | | | |
|  |  | * + 1. LNG line: flange 3” - 150# - male coupling half DN65 TR104 x 8 LH threaded (Mat 1.4571).   Messer Griesheim specification 792.10832 | | | | | | | |
|  |  | * + 1. Boil-off line: flange PN40-DN40 male coupling half DN40 TR69 x 8 LH threaded (mat 2.0592.02 & 2.0360.08) | | | | | | | |
|  | * 1. Pictures of the road tanker/container | | | | | | | | |
|  | * 1. Technical data and P&ID of the road tanker/container | | | | | | | | |
|  |  | * + 1. Setpoint of relief valves:       bar(g) | | | | | | | |
|  |  | * + 1. Trycocks and their respective filling level:         at       %        at       %        at       % | | | | | | Used by Fluxys[[3]](#footnote-3) | |
|  | * 1. Procedure of cooldown and loading operation (the road tanker/container SHALL be presented under natural gas atmosphere or under inerted nitrogen atmosphere) | | | | | | | | |
|  | * 1. Last annual report of Client’s ADR safety advisor (DGSA) | | | | | | | | |
| 1. **Minimum technical requirements for the Truck-Road Tanker/Container combination** | | | | | | | | | |
|  | * 1. Conform to: | | | | | | | | |
|  |  | * + 1. the ADR regulations (container/chassis/road tanker/truck) | | | | | | | |
|  |  | * + 1. the IMDG regulations (T75 for containers, IMO(8) for road tankers) | | | | | | | |
|  | * 1. Material and construction tank: | | | | | | | | |
|  |  | * + 1. The material of the outer vessel shall be either stainless steel or carbon steel with sufficient mechanical and thermal resistance up to temperatures of 700 °C and even higher | | | | | | | |
|  |  | * + 1. The material of the inner vessel shall be stainless steel | | | | | | | |
|  |  | * + 1. The trailer shall be super vacuum insulated and equipped with three rear-axles and designed for maximum road stability (both static and dynamic) | | | | | | | |
|  | * 1. Air connection for emergency shutdown of the road tanker’s/container’s pneumatic valves so they shall be remotely closed in case of emergency (= loss of air/nitrogen pressure): preferably install a male quick coupling LEGRIS – 90873021 on the semi-trailer. Supply air pressure = 7 bar | | | | | | | | |
|  | * 1. Purging of the hoses after completion of the loading operation: * Preference: Possibility to purge the hoses from boil-off line towards the road tanker/container and back through the LNG line * If not, install (a) male quick coupling(s) ERITITE ETF 50 – Stainless Steel (10037319) on the semi-trailer/container to connect a nitrogen hose | | | | | | | | |
|  | * 1. Sturdy and reliable equipotential earth connection for an emergency shutdown circuit: a cable with earthing clamp to be provided by the Truck Company (picture) | | | | | | | | |
|  | * 1. Suitable device to check whether or not the vessel is in an empty condition | | | | | | | | |
|  | * 1. The outlet of the trycocks shall be at a safe location, i.e. at a safe distance from the valve cabinet and from the emergency buttons of the road tanker/container | | | | | | | | |
| 1. **Minimum requirements for the Truckers** | | | | | | | | | |
|  | * 1. Drivers shall speak Dutch, English or French | | | | | | | | |
|  | | | | | REV: | | DATE: | | |

1. Code to be used for booking slots. Code needs to be clearly visual on Container/Road Tanker. For Road Tankers the License Plate might be used as Road Tanker code. [↑](#footnote-ref-1)
2. Vehicle Identification Number [↑](#footnote-ref-2)
3. To be filled in by Fluxys [↑](#footnote-ref-3)