



Certificate no.:  
**TAS0000565**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

that the **Offshore Tank Container**

with type designation(s)

**PC 5000G UN Portable Offshore Tank Container**

issued to

**Purple Containers (OPC) Private Limited**  
**Erode, Tamil Nadu, India**

is found to comply with

**DNV standard DNV-ST-E271 – 2.7-1 Offshore containers, March 2023 (Amended December 2024)**  
**ISO 10855-1:2024 Offshore containers and associated lifting sets – Part 1: Design, manufacture and marking of offshore containers**  
**IMO/MSC Circular 860**  
**International Maritime Dangerous Goods Code (IMDG)**  
**European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)**  
**Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID)**  
**Code of Federal Regulations 49**

## Application:

**UN Portable Offshore Tank, Tank Instruction T11**

|                             |                  |
|-----------------------------|------------------|
| <b>Max. gross mass (kg)</b> | <b>25000</b>     |
| <b>Max. payload (kg)</b>    | <b>16800</b>     |
| <b>Tank cap. (L)</b>        | <b>18950</b>     |
| <b>MAWP/test pr. (bar)</b>  | <b>4.0 / 6.0</b> |
| <b>Eq. shell thk (mm)</b>   | <b>6.0</b>       |

Issued at **Høvik** on **2026-01-26**

This Certificate is valid until **2031-01-25**.

for **DNV**

DNV local unit: **VCA India**

Approval Engineer: **Igor Antonijevic**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

**Product description**

PC 5000G UN Portable Offshore Tank Container

Max. external dimensions (LxWxH): 6058 x 2438 x 3000 mm  
Tare mass<sup>1)</sup>: 8200 kg  
Pressure vessel code, tank: ASME Sec. VIII Div.1 Ed. 2023  
Tank diameter (Outer): 2200 mm  
Nominal wall thickness shell/ends: 8.0/10.0  
Tank material: SA-516 gr.70

<sup>1)</sup> tare mass must be confirmed by weighing. The sum of the tare mass and the payload shall never exceed the max. gross mass as listed above.

**Application/Limitation**

Design approved according to IMDG/ADR/RID Ch. 6.7.2 and US DOT requirements.

IMDG/ADR/RID design approval number: N-NV/683/12/25

US DOT design approval number<sup>2)</sup>: SI-0200-26-USA

Metallurgical design temperature for tank: -40°C to +65°C

Design temperature for framework: -20°C

Min. shackle bolt diameter: 37.2 mm

Max angle of legs from vertical: 45°

Enhancement factor: 1.104

Setting of relief valve: 4.4 bar

<sup>2)</sup> issued by SilverCims

- Liquids with the following Tank Instructions in the IMDG code are accepted for transport: T1, T2, T3, T4, T6, T7, and T11. The goods accepted for carriage should have no adverse effect on any part of the tank and meet applicable tank special provision.
- DNV surveyor has to witness important production and test events and issue Form no. 71.08a "Certificate for Offshore Container" and Form no. CTT101 "Tank Container Certificate" for each container.
- Production strength tests (All point lifting) to be carried out according to DNV-ST-E271 and after agreement with the DNV surveyor.
- The certificates are only valid when the containers are fitted with a lifting set certified according to DNV-ST-E271.
- Each tank should be subjected to a hydraulic pressure test to the specified test pressure.
- Items of equipment shall be arranged, protected and marked per the requirements of IMDG code section 6.7.2.5. Verification shall be carried out by the surveyor.

**Type Approval documentation****Tests carried out**

Prototype PCPU 999 1034 tested according to the requirements.

**Marking of product**

Each container to be marked with:

- Data plates for UN tanks according to IMDG Code Ch. 6.7.2.20. Design approval number according to Application/Limitation above
- Data plates according to DNV / ISO and US DOT requirements
- External marking according to IMDG / DNV / ISO and US DOT requirements
- DNV decal for offshore containers
- NV mark to be hard stamped on frame
- Manufacturer's Serial Number to be welded on frame

**Periodical assessment**

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonized with other surveys and audits carried out. This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE