Certificate no.:
TAS00004RM

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Offshore Tank Container

with type designation(s)
4000L vertical chemical offshore tank container

issued to
SSN Makina A.S.
ISTANBUL, **Türkiye**

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 liftings 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

Max. gross mass (kg)	**8000**
Max. payload (kg)	**5800**
Tank cap. (L)	**4000**
MAWP/test pr. (bar)	**4.0 / 6.0**
Eq. shell thk (mm)	**See page 2**

Issued at **Høvik** on **2025-04-10**
This Certificate is valid until **2030-04-09**.
DNV local unit: **Istanbul**

for **DNV**

Approval Engineer: **Nina Thorvaldsen Moberg**

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

Design approved according to IMDG Code Chapter 6.7.2, Edition 2022 Amdt. 41-22.

Max.external dimensions (LxWxH):	1995 x 1995 x 2571 mm
Tare mass[1)]:	2200 kg
Pressure vessel code, tank:	ASME VIII Div.1
Tank diameter (Internal):	1775 mm
Tank material:	ASME SA 240 316/316L, EN 10028-7, 1.4401/1.4404 (316/316L), SANS 50028-7 1.4002

[1)] tare mass has to 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

IMDG/ADR/RID design approval number:	N-NV/671/06/24
CFR 49 design approval number:	SI/0100-25/USA
Metallurgical design temperature for tank:	-40°C to +70°C
Design temperature for framework:	-20°C
Min. shackle bolt diameter:	24.44 mm
Lifting slings Max angle of legs from vertical:	45°
Enhancement factor:	1.633
Setting of relief valve:	4.4 bar
Design vacuum:	-0.21 bar

Products accepted for carriage:
Liquids with the following Tank Instructions in the IMDG code: 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 2.7-1 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 2.7-1.

Each tank should be subjected to a hydraulic pressure test to the specified test pressure.

Type Approval documentation

Tests carried out

Prototype OTC-MT-032 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 requirements
- External marking according to IMDG / DNV / ISO / CFR 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. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE