

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Tank Container**

with type designation(s)

2000L Vertical Bolted Tank Container – ST-2470/C

Issued to

Suretank Limited**Drogheda Co. Louth, Ireland**

is found to comply with

DNV 2.7-1 Offshore Containers (2013)**EN 12079 Offshore containers-Design, construction, testing, inspection and marking****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)****Application :****UN Portable Offshore Tank, Tank Instruction T11**

Max. gross mass (kg)	5000
Max. payload (kg)	3500
Tank cap. (L)	2100
MAWP/test pr. (bar)	4.0/6.0
Eq. shell thk (mm)	5.0

This Certificate is valid until **2020-05-31**.Issued at **Høvik** on **2016-06-01**DNV GL local station: **Manchester**Approval Engineer: **Igor Antonijevic**for **DNV GL**

Inger-Helene Hals
Head of Section

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.

Job Id:
Certificate No: **TAS00000G7**

Manufactured by

DNV GL id number 1214516

DNV GL id number 10019533¹⁾

¹⁾ the type approval will become valid for this manufacturer after they have built and tested a prototype and the test report sent to us for review.

Suretank Limited takes responsibility that both design and production are in compliance with the Rules, Standards and/or Regulations listed on page 1 of this Type Approval Certificate.

Product description

This Type Approval Certificate replaces S-5372.
Design approved according to IMDG Code, Edition 2014 Amdt. 37-14.

Max.external dimensions:	1600 x 1600 x 2467 mm
Tare mass:	1500 kg
Pressure vessel code, tank:	ASME VIII Div.1
Tank diameter (Internal):	1390 mm
Tank material:	A240 316 stainless steel

Application/Limitation

IMDG/ADR/RID design approval number ²⁾ :	N-NV/488/04/12 IRL-NV/488/04/12 GB-DNV/488/04/12
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Metallurgical design temperature for tank:	-40°C to +55°C
Design temperature for framework:	-20°C
Min. shackle bolt diameter:	21.6 mm
Lifting slings Max angle of legs from vertical:	45°
Enhancement factor:	1.960
Setting of relief valve:	4.4 bar
Vacuum settings:	-0.21 bar

²⁾ only one of these numbers shall be used. Suretank Limited is responsible for proper using of numbers.

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 GL surveyor has to witness important production and test events and issue Form no. 49.07a "Certificate for Offshore Container" and Form no. 49.04x/a "Certificate for Tank Container or Portable Tank" for each container.

For tank containers with GB design approval number, certificate MDG10 also has to be issued.

Production strength tests (All point lifting) to be carried out according to DNV 2.7-1 and after agreement with the DNV GL 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.



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Type Approval documentation

Tests carried out

Prototypes 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 / EN requirements
- External marking according to IMDG / DNV / EN requirements
- DNV GL decal for offshore containers
- NV mark to be hard stamped on frame
- Manufacturer's Serial Number to be welded on frame

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform an assessment every 2nd year and before the expiry date of this certificate to verify that the type approval is complied with.

END OF CERTIFICATE