DNV·GL

Certificate No:
TAS00002KE

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
20ft Container - D-2011-1006

Issued to
CTS Container & Trailer Services Ltd.
Dartmouth, NOVA SCOTIA, Canada

is found to comply with
DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, August 2017
ISO 10855:2018 Offshore containers and associated liftings sets – Design, manufacture, testing, inspection and marking
IMO/MSC Circular 860
International Convention for Safe Containers, 1972 (CSC)
ISO 1496, Part 1: General Cargo Containers for General Purposes

Application :

Max. gross mass (kg)	**14000**
Max. payload (kg)	**8450**
Max. sling leg angle	**30**
Enhancement factor	**1.324**

Issued at **Aberdeen** on **2020-07-01**

This Certificate is valid until **2025-06-30** .

for **DNV GL**

DNV GL local unit: **Halifax**

Approval Engineer: **Jack Moffatt**

Elisabeth Legg
Principal Engineer

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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Product description

This type approval replaces TAS00000G6.

20' ISO/CSC container and offshore container

Size code	: 22
Type code	: SG*
ISO designation	: 1CC
Maximum external dimensions (LxWxH)	: 6058 x 2438 x 2591 mm
Stacking test load per corner	: 64008 kg
Allowable stacking weight for 1.8g	: 142240 kg
Transverse Racking Test Force	: 150kN
Side and End wall strength	: 0 Pg
Tare mass**	: 5550 kg

*) Type Code in accordance with ISO 6346:1995/Amd.3:2012.
**) Tare mass shall be confirmed by weighing and shall never exceed the maximum gross mass stated on the front pages of this certificate.

Application/Limitation

CSC Approval reference number: **N-NV/460/04/11**

Design temperature	: -20 °C
Minimum shackle pin diameter:	: 31.5 mm

The DNV GL surveyor shall witness all important production and testing events and issue a certificate for each container. The certificate is only valid when the container is fitted with a DNVGL-ST-E271 certified lifting set.

Type Approval documentation

Tests carried out

Prototypes strength tested in accordance with CSC/ISO 1496-1 and DNVGL-ST-E271.

Marking of product

Each container to be marked in accordance with DNV GL, ISO and CSC requirements, including:

- Data and inspection plates
- Size and Type Code, and relevant parts of ISO 6346
- DNV GL emblem for offshore containers
- VL mark to be hard stamped on the data plate
- 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 DNVGL-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE