Certificate no.:
TAS000050C

TYPE APPROVAL CERTIFICATE

This is to certify:

that the offshore container

with type designation(s)
1.6 m toolbox container (J83)
2.2 m toolbox (J82)
3.2 m toolbox container (J89)

issued to
HARGEN OFFSHORE CONTAINERS LTDA
Carapebus, RJ, **Brazil**

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

Application:

Type	Max. gross mass (kg)	Max. payload (kg)	Max. sling leg angle	Enhancement factor
1.6 m toolbox container (J83)	**2400**	**2000**	**45**	**3.004**
2.2 m toolbox (J82)	**2500**	**2000**	**45**	**2.880**
3.2 m toolbox container (J89)	**2700**	**2000**	**45**	**2.768**

Issued at **Aberdeen** on **2025-09-19**

This Certificate is valid until **2030-09-18**.

for **DNV**

DNV local unit: **Macae**

Approval Engineer: **Elisabeth Legg**

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

Type	Maximum external dimensions (L x W x H)	Tare mass
1.6 m toolbox container (J83)	1600 x 1000 x 1180 mm	400 kg
2.2 m toolbox (J82)	2200 x 1000 x 1180 mm	500 kg
3.2 m toolbox container (J89)	3200 x 1000 x 1180 mm	700 kg

Application/Limitation

Type	Design temperature	Minimum shackle pin diameter
1.6 m toolbox container (J83)	-20 °C	21.7 mm
2.2 m toolbox (J82)	-20 °C	21.7 mm
3.2 m toolbox container (J89)	-20 °C	21.7 mm

The DNV 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 DNV-ST-E271 certified lifting set.

Type Approval documentation

Tests carried out

Prototypes tested in accordance with DNV-ST-E271.

Marking of product

Each container to be marked in accordance with DNV / ISO requirements, including:

- Data and inspection plates
- DNV emblem for offshore containers
- NV 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 DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised 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