Certificate No:
TAS000030B

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Offshore Container

with type designation(s)
Chemical Container Frame
Material Container Frame

Issued to
DE BEERS MARINE (PTY) LTD
CAPE TOWN, **South Africa**

is found to comply with
DNV GL standard DNVGL-ST-E271 – 2.7-1 Offshore containers, January 2021
IMO/MSC Circular 860

Application :

Type	Max. gross mass (kg)	Max. payload (kg)	Max. sling leg angle	Enhancement factor
Chemical Container Frame	**2285**	**1536**	**35**	**3.113**
Material Container Frame	**2203**	**1539**	**35**	**3.214**

Issued at **Aberdeen** on **2021-04-28**
This Certificate is valid until **2026-04-27** .
DNV local unit: **Rotterdam**

Approval Engineer: **Ross MacDonald**

for **DNV**

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 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.

Manufactured by

CIM Number 10058434

Local DNV Office: Cape Town

Responsibility

De Beers Marine (Pty) Ltd. takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1.

Product description

Type	Maximum external dimensions (LxWxH)	Tare mass*
Chemical Container Frame	1500 x 1220 x 1320 mm	749 kg
Material Container Frame	1500 x 1220 x 1320 mm	664 kg

*) Tare mass is to be confirmed by weighing. The sum of payload and tare shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Type	Design temperature	Minimum shackle bolt diameter
Chemical Container Frame	0°C	21.7 mm
Material Container Frame	0°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 DNVGL-ST-E271 certified lifting set.

Note: the chemical container has not been approved for the carriage of dangerous goods. It is the Owner's responsibility to ensure that all relevant IMDG requirements for transportation of dangerous goods are fully complied with.

Type Approval documentation

Tests carried out

Prototypes tested in accordance with DNVGL-ST-E271.

Marking of product

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

- Data and inspection plates
- DNV emblem for offshore containers
- VL mark to be hard stamped on the data plate
- Manufacturer's Serial Number to be welded on frame.
- Container shall be clearly marked with words to the effect of "only to be used in temperate climates".

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