

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Offshore Container**with type designation(s)  
**Half Height 20' x 8' Container**

Issued to

**D.F. Barnes Fabrication Limited**  
**St. John's NL, Canada**

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****Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

|                             |                 |                 |
|-----------------------------|-----------------|-----------------|
| <b>Max. gross mass</b>      | <b>31967 lb</b> | <b>14500 kg</b> |
| <b>Max. payload</b>         | <b>24251 lb</b> | <b>11000 kg</b> |
| <b>Max. sling leg angle</b> | <b>30°</b>      |                 |
| <b>Enhancement factor</b>   | <b>1.302</b>    |                 |

Issued at **Houston** on **2017-02-22**This Certificate is valid until **2022-02-21**.for **DNV GL**DNV GL local station: **St. John's, NL**Approval Engineer: **Aaron Grierson**

.....

**Meindert van Mierlo**  
**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: **262.1-024643-1**  
Certificate No: **TAS00000XW**

### Product description

Max. external dimensions (LxWxH) : 2490x 2236 x 2464 mm  
Tare : 7716 lbs : 3500 kg

### Application/Limitation

Lifting Set Minimum WLL : 20.82 tons : 18.88 t  
Shackle WLL : 10.47 tons : 9.5 t  
Min Design Temperature : -4° F : -20° C  
Minimum Pin Diameter : 1.38 in : 35 mm

DNV GL surveyor to witness important production and test events and issue Form no. 49.07a "Certificate for Offshore Container" 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 GL surveyor.

The certificates are only valid when the containers are fitted with a lifting set certified according to DNV 2.7-1.

### Type Approval documentation

#### Tests carried out

Prototype HH208047 Strength Tested according to DNV 2.7-1

#### Marking of product

Each container to be marked with:

- Data plates according to DNV / EN requirements
- External marking according to DNV / EN requirements
- DNV GL emblem 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 a survey every 2<sup>nd</sup> year and before the expiry date of this certificate to verify that the type approval is complied with.

END OF CERTIFICATE