

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Offshore Container**with type designation(s)
Half Height 12'x 10' 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.**

Max. gross mass	32849 lb	14900 kg
Max. payload	26455 lb	12000 kg
Max. sling leg angle	30°	
Enhancement factor	1.284	

Issued at **Houston** on **2017-03-02**This Certificate is valid until **2022-03-01**.for **DNV GL**DNV GL local station: **St. John's, NL**Approval Engineer: **Aaron Grierson**

Nick Prokopuk
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: **262.1-024642-1**
Certificate No: **TAS00000Y8**

Product description

Max. external dimensions (LxWxH) :3568x 3048 x 1355 mm
Tare :6394 lbs :2900 kg

Application/Limitation

Lifting Set Minimum WLL :21.10 tons :19.14 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 HH1210012 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 2nd year and before the expiry date of this certificate to verify that the type approval is complied with.

END OF CERTIFICATE