

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Portable Offshore Units**with type designation(s)
M1193-4, M3196-3

Issued to

Worldwide Oilfield Machine, Inc. (WOM)
Houston TX, United Statesis found to comply with
DNVGL-ST-E273 Standard 2.7-3 Portable offshore units (2016)**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

Type	Max. gross mass (kg)	Max. gross mass (lb)	Max. payload (kg)	Max. payload (lb)	Max. sling leg angle
M1193-4	1008	2221	721	1589	30°
M3196-3	843	1859	541	1193	30°

Issued at **Houston** on **2017-06-29**This Certificate is valid until **2022-06-28**.for **DNV GL**DNV GL local station: **Houston Containers**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: **262.1-025923-1**
Certificate No: **TAS000013M**

Product description

M1193-4
Max. external dimensions (LxWxH) : 1300x 600 x 1482 mm
Tare : 632 lbs :287 kg

M3196-3
Max. external dimensions (LxWxH) : 1300x 600 x 1506 mm
Tare : 666 lbs :302 kg

Application/Limitation

Shackle WLL : 7.16 tons :6.50 t
Min Design Temperature : -4° F : -20° C
Minimum Pin Diameter : 1.0 in :25.4 mm
POU Type : A
Operational Class : R30

DNV GL surveyor to witness important production and test events and issue Form no. 49.01a "Certificate for Portable Offshore Unit" for each Unit.

Production strength tests to be carried out according to DNV 2.7-3 and after agreement with the DNV GL surveyor.

Type Approval documentation

Tests carried out

Prototype IO00126600-2-1 Strength Tested According to DNV GL ST 2.7-3, April 2016

Marking of product

Marking is to be carried out in accordance with DNV 2.7-3 Section 6.

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