



Certificate No:
TAS0000342

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Offshore Units

with type designation(s)
Choke Manifold Skid

Issued to

Worldwide Oilfield Machine, Inc.
Houston, TX, USA

is found to comply with

DNV GL standard DNVGL-ST-E273 – 2.7-3 Portable offshore units, April 2016 (Amended January 2020)

Application :

Max. gross weight	: 11,800 kg	26,000 lbs
Max. payload	: 7,500 kg	16,500 lbs
Max. sling leg angle	: 30 °.	

Issued at **Houston** on **2021-10-05**

This Certificate is valid until **2026-10-04**.

for **DNV**

DNV local station: **Houston, Approval CMC**

Approval Engineer: **Simon Ouyang**

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Simon Ouyang
Senior Engineer

Jorge Suarez
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.



Form code: TA 251

Revision: 2021-03

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Manufactured By

Worldwide Oilfield Machine, Inc.
5800 Cunningham Road
Houston, TX 77041
USA

Additional manufacturing locations:

Worldwide Oilfield Machine Pvt. Ltd.
Gat No. 778, at Post Velu
Pune Satara Road
Tal. Bhore, Dist. Pune, 412 205, India

Responsibility

Worldwide Oilfield Machine, Inc. 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

POU Type : DNVGL 2.7-3 Type B R30
Max. Tare : 4,300 kg 9,500 lbs

Application/Limitation

Max Hs Offshore Lift	:	3.0	m		
Min. Design Temperature	:	-20	°C	-4	°F
Max. Sling Angle w/ Vertical	:	30	°		
Shackle WLL	:	12	t	26,456	lbs
Min. Shackle Pin Diameter	:	35.56	mm	1.40	inch

DNV surveyor to witness important production and test events and issue no. MOP 201, "Certificate for Portable Offshore Unit" for each unit.

Type Approval documentation

This approval is based on DVR-262.1-036242-J-1 Rev. 0 issued 2021-09-16 and also the updated documents submitted by WoM on 09-29-2021.

Materials Specifications

Component	Material	Min Yield Strength	Avg. Charpy Value
Structural Tubing	ASTM A500 Gr. B	315 MPa	32 J @ -10 °C for 6 < t ≤ 12 mm 32 J @ -20 °C for 12 < t ≤ 25 mm 32 J @ -40 °C for 25 < t ≤ 50 mm
Plates and Padeyes	ASTM A516 Gr. 70	260 MPa	27 J @ -10 °C for 6 < t ≤ 12 mm 27 J @ -20 °C for 12 < t ≤ 25 mm 27 J @ -40 °C for 25 < t ≤ 50 mm

Tests carried out

Prototype for the Choke Manifold Skid with part number: M7871-S, serial number: BAW546-1 tested on 2021-09-20 according to Standard for Certification DNVGL-ST-E273, April 2016.

Prototype Load Test Reports reviewed and accepted by DNV Houston on 2021-09-30. Production testing to be carried out per DNVGL-ST-E273 Section 5.2.3.

Marking of product

Marking is to be carried out in accordance with DNVGL-ST-E273 Section 6.



Job Id: **262.1-036242-1**
Certificate No: **TAS0000342**

Periodical assessment

Periodical assessment to be carried out at intervals not exceeding 12 months and after substantial repair or alteration according to Standard for Certification DNVGL-ST-E273, 2016 edition.

END OF CERTIFICATE