Certificate No:
TAS000039A

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Offshore Units

with type designation(s)
Lifting Basket

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	**:**	**8,070 kg**	**17,790 lbs**
Max. payload	**:**	**5,121 kg**	**11,290 lbs**
Max. sling leg angle	**:**	**30 °**	

Issued at **Houston** on **2021-11-23**
This Certificate is valid until **2026-11-22**.
DNV local station: **Houston, Approval CMC**

Approval Engineer: **Simon Ouyang**

for **DNV**

Mohsen Shavandi
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.

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

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

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 A R45
Max. Tare : 2,949 kg 6,500 lbs

Application/Limitation

Min. Design Temperature	:	-20	°C	-4	°F
Max. Sling Angle w/ Vertical	:	30	°		
Shackle WLL	:	6.5	t	14,330	lbs
Min. Shackle Pin Diameter	:	25.4	mm	1.0	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-261.1-036396-J-2 Rev. 0 issued 2021-08-09.

Doc. No.	Rev.	Title

Materials Specifications

Component	Material	Min Yield Strength	Avg. Charpy Value
Hollow Sections/ Structural Tubing	ASTM A500 Gr. B	46 Ksi [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	ASTM A516 Gr. 70	38 Ksi [260 MPa]	35 J @ -10 °C for 6 < t ≤ 12 mm 35 J @ -20 °C for 12 < t ≤ 25 mm 35 J @ -40 °C for 25 < t ≤ 50 mm
Padeyes	ASTM A516 Gr. 70	38 Ksi [260 MPa]	35 J @ -10 °C for 6 < t ≤ 12 mm 35 J @ -20 °C for 12 < t ≤ 25 mm 35 J @ -40 °C for 25 < t ≤ 50 mm

Tests carried out

Prototype for the Lifting Basket with part number: M3597-A, serial number: IO9090-1 tested on 2021-08-16 according to Standard for Certification DNVGL-ST-E273, April 2016.

Prototype Load Test Report with Number: WOM/LT/2021-05 reviewed and accepted by DNV Houston on 2021-11-18. 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.

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