DNV·GL

Certificate No:
TAS00002T7

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Offshore Units

with type designation(s)
Test skid, EDP/LRP

Issued to
Worldwide Oilfield Machine, Inc.
Houston, TX, USA

is found to comply with

Application :

Max. gross weight	**:**	**4,735 kg**	**10,440 lbs**
Max. payload	**:**	**1,017 kg**	**2,240 lbs**
Max. sling leg angle	**:**	**30 °**	

Issued at **Houston** on
This Certificate is valid until .
DNV GL local station: **Houston, Approval CMC**

for **DNV GL**

Approval Engineer: **Simon Ouyang**

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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Job Id: **262.1-034235-1**
Certificate No: **TAS00002T7**

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

Test Skid, EDP/LRP
POU Type : DNVGL 2.7-3 Type B R00
Max. Tare : 3,720 kg 8,200 lbs

Application/Limitation

Max Hs Offshore Lift	:	0	m		
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	:	25.908	mm	1.02	inch

The test skid for EDP/LRP with P/N: SHE-00035-014 has been approved as Type B unit with an operational class R00 for Lift onshore, inshore and on board vessels/platforms offshore, but not between vessels/platform offshore.

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-261.1-034235-J-2 Rev. 0 issued 2020-11-18.

Materials Specifications

Component	Material	Min Yield Strength	Avg. Charpy Value
Hollow Sections	ASTM A500 Gr. C	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 A572 Gr. 50	345 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 A572 Gr. 50	345 MPa	35 J @ -10 °C for 6 < t ≤ 12 mm 35 J @ -20 °C for 12 < t ≤25 mm

Tests carried out

Prototype for the Test Skid, EDP/LRP with part number: SHE-00035-014, serial number: BW3740 tested on 2021-04-30 according to Standard for Certification DNVGL-ST-E273, April 2016.

Prototype Load Test Reports reviewed and accepted by DNV Houston on 2021-08-31. 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