



Certificate no.:  
**TAS000059W**

# TYPE APPROVAL CERTIFICATE

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## This is to certify:

that the **Portable Offshore Units**

with type designation(s)

**Choke Manifold Skid, M0557-CE-7**

issued to

**Worldwide Oilfield Machine, Inc.**  
**Houston, TX, USA**

is found to comply with

**DNV standard DNV-ST-E273 – 2.7-3 Portable offshore units, April 2016 (Amended May 2022)**

## Application:

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|                              |                 |                  |
|------------------------------|-----------------|------------------|
| <b>Max. gross mass:</b>      | <b>2,880 kg</b> | <b>6,350 lbs</b> |
| <b>Max. payload:</b>         | <b>1,814 kg</b> | <b>4,000 lbs</b> |
| <b>Max. sling leg angle:</b> | <b>30°</b>      |                  |

Issued at **Houston** on **2026-04-20**

This Certificate is valid until **2031-04-19**.

for **DNV**

DNV local unit: **Technical Advisory and Verification**

Approval Engineer: **Simon Ouyang**

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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 USD 300 000.

## Manufactured By

Worldwide Oilfield Pvt. Ltd.  
Pune, India  
Local DNV Office: Mumbai

## Product description

|                   |   |        |    |       |     |
|-------------------|---|--------|----|-------|-----|
| Tare              | : | 1,066  | kg | 2,350 | lbs |
| Type              | : | Type B |    |       |     |
| Operational Class | : | R30    |    |       |     |

## Application/Limitation

|                                  |   |      |    |      |      |
|----------------------------------|---|------|----|------|------|
| Max H <sub>s</sub> Offshore Lift | : | 3.0  | m  |      |      |
| Min. Design Temperature          | : | -20  | °C | -4   | °F   |
| Shackle WLL                      | : | 6.50 | t  | 7.17 | ton  |
| Min. Pin Diameter                | : | 25.4 | mm | 1.00 | inch |

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

Production strength tests to be carried out according to DNV-ST-E273 and after agreement with DNV Surveyor.

This revision replaces the previous TAS00001UM Rev. 1 issued on 2019-04-22.

## Type Approval documentation

This approval is based on previous type approval D-6063 issued 02-04-2015.

| Drawing No.   | Rev. | Title                          | Approval date |
|---------------|------|--------------------------------|---------------|
| M0557-CE-7    | 2    | Skid Assy.                     | 2018-12-10    |
| M0557-CE-6-7A | 0    | Pad Eye Assy. For 7/8" Shackle | 2018-12-10    |
| M0557-CE-6-7B | 0    | Pad Eye Assy. For 7/8" Shackle | 2018-12-10    |
| SW5823        | 3    | Lift Eye                       | 2018-12-10    |
| M7197         | 2    | Manifold, Choke, Assy.         | 2019-04-17    |
| M0557-CE      | 13   | Manifold, Choke, Assy.         | 2019-04-17    |

## Materials

| Component       | Material         | Min Yield | Avg Charpy Value                                                                             |
|-----------------|------------------|-----------|----------------------------------------------------------------------------------------------|
| Hollow Sections | ASTM A 500 Gr. B | 315 MPa   | 32 J @ -10° for 6 ≤ t ≤ 12 mm<br>32 J @ -20° for 12 ≤ t ≤ 25 mm<br>32 J @ -40° for t > 25 mm |
| Pad Eyes        | ASTM A516 Gr. 70 | 260 MPa   | 27 J @ -10° for 6 ≤ t ≤ 12 mm<br>27 J @ -20° for 12 ≤ t ≤ 25 mm<br>27 J @ -40° for t > 25 mm |

## Tests carried out

DNV local office in India has conducted the audit for this TAC renewal with a Type Approval Assessment report issued on 2026-04-19.

Production testing to be carried out per DNV-ST-E273 Section 5.2.3.

## Marking of product

Marking is to be carried out in accordance with to DNV-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 DNV-ST-E273, April 2016.

END OF CERTIFICATE