



Certificate no.:
TAS00004D9

TYPE APPROVAL CERTIFICATE

This is to certify:

that the portable offshore unit

with type designation(s)

Skid for 5K Wellspin Desander

issued to

D&P Innovations Sdn. Bhd.

Kuala Lumpur, WP Kuala Lumpur, Malaysia

is found to comply with

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

Application:

Max. gross mass (kg) 10500

Max. payload (kg) 0

Max. sling leg angle 30

Issued at **Aberdeen** on **2024-07-25**

This Certificate is valid until **2029-07-24**.

for **DNV**

DNV local unit: **Kuala Lumpur**

Approval Engineer: **Shrutika Arsud**

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 281

Revision: 2023-09

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Manufactured by

DNV ID No.: 1250637

DNV local office: Kuala Lumpur

Responsibility

D&P Innovations Sdn. Bhd. 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

Type	Dimensions (LxWxH)	Type	Operational Class	Tare mass*
Skid for 5K Wellspin Desander	5582 x 1800 x 2500	A	R45	10500 kg

**) Tare mass is to be confirmed by weighing. The sum of tare and payload shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Type	Shackle size	Resultant Sling Force (RSF)	Design temperature
Skid for 5K Wellspin Desander	9.5 t	129 kN	-20 °C

This approval is based on the assumption that the unit addressed herein will not be pressurised during lifting and transportation operations, the equipment transported within the frame will be subject to atmospheric pressure only. It is the responsibility of the End User to ensure that the pressure relieving devices are fully functional, such that a positive or negative pressure differential across the equipment is eliminated.

This unit shall be lifted and transported offshore in the horizontal orientation, as detailed in drawing number PDM22018-53S-V02-002 sheet 1/3. Lifting, transport and storage of the unit in the vertical orientation has not formed part of this review.

The DNV surveyor shall witness all important production and testing events and issue a certificate on Form no. MOP 201 "Certificate for Portable Offshore Unit" for each unit.

Type Approval documentation

Tests carried out

Prototype tested in accordance with DNV-ST-E273.

Marking of product

Marking shall be carried out in accordance with to DNV-ST-E273 section 6.

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>