DNV·GL

Certificate No:
TAS00002D4

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Lifting appliance - Loose Gear

with type designation(s)
HYDRAULIC POWER UNIT M3010

Issued to
Forum U.S. Inc, dba DYNACON
Bryan, TX, USA

is found to comply with
DNV GL standard DNVGL-ST-0378 – Standard for offshore and platform lifting appliances

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Houston** on **2020-03-18**
This Certificate is valid until **2025-03-17**.
DNV GL local station: **Houston, Approval CMC**

Approval Engineer: **Bo Cui**

for **DNV GL**

Christian Nilsen
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.

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Job Id: **262.1-033130-1**
Certificate No: **TAS00002D4**

Product description

Hydraulic power unit frame M3010.
Max. external dimensions (LxWxH) : 96” x 55 ¼” x 86”
Design Weight: 10,000 lb_f

Application/Limitation

Design temperature	-20°C
Design safe work load for lifting with padeyes	10,000 lb_f
Design lifting sling angle with vertical	30°
Design dynamic factor	2.0
Service application	Offshore general lifting
Design shackle pin diameter	0.88 in

Type Approval documentation

Tests carried out

Prototype unit tested according to DNVGL-ST-0378 to satisfy initial type approval requirements.

Marking of product

For traceability to this Type Approval Certificate the products are as a minimum to be marked as follows:

1. Serial Number
2. Manufacturer’s name and trademark
3. Safe working load

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNVGL-CP-0338 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE