DNV·GL

Certificate No:
TAM00000X2

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Reduction Gear for Propulsion

with type designation(s)
HC-258

Issued to
NOGVA MOTORFABRIKK A/S
SØVIK, Norway

is found to comply with
DNV GL rules for classification – Ships

Application :

Products approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Input torque	**See page 2**
Input speed	**See page 2**
Reduction ratio	**See page 2**

Issued at **Høvik** on **2018-06-22**
This Certificate is valid until **2023-06-21**.
DNV GL local station: **Ulsteinvik**

for **DNV GL**

Approval Engineer: **Kristine Prøsch**

Oddvar Deinboll
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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Product description

Reduction gear with built in hydraulic operated clutch and servo cylinder for CP mechanism.

The type approcal does not cover:

- The flexible coupling
- Ice class notations
- Electric wiring, instrumentation and automation
- Connection to external shaft components
- Fastening and foundation of the gearbox

Application/Limitation

RATIO Main mesh	INPUT	RATIO PTO mesh	Outtake
2,02:1	3180Nm	1:1,16	155Nm
2,51:1 3,03:1	2650Nm 2650Nm		
3,54:1	2390Nm		
3,95:1	1960Nm		
4,45:1	1760Nm		

Application factor: 1,3
Main clutch type: Ortlinghaus 0002-837-47-155000
PTO clutch type: Matrix International 66H55-11

The elastic coupling and alarm/monitoring system are not part of the type approval. And have to be sent in case by case.

Type Approval documentation

Marking of product

Marking og the product shall at least give the following information.

- Manufacturers name of trademark
- Type designation of the product under which it is type approved

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform an assessment after 2 years and after 3.5 years, both referring to the issue date of the Type Approval Certificate to verify that the conditions of the Type Approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical Assessment shall be carried out randomly at these companies.

END OF CERTIFICATE