DNV·GL

Certificate No:
TAM00000RJ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Reduction Gear for Propulsion

with type designation(s)
DMT144H / DMT150H / DMT170HL / DMT200H / DMT200HL

Issued to
D-I Industrial Co., Ltd.
Jinju-si, Gyeongsangnam-do, Korea

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

Application :

The approval is valid for propulsion use.

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.
Input torque
Input speed
Reduction ratio

Issued at **Høvik** on **2018-05-18**
This Certificate is valid until **2022-06-30**.
DNV GL local station: **Gimhae Station**

for **DNV GL**

Approval Engineer: **Nadine Grace Mosteiro Halvorsen**

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

Single stage reduction gears for propulsion with built-in hydraulic operated clutch and reversing gear.

Application/Limitation

The gears are approved for an application factor K_A = 1.20.

Gear	Reduction ratio [Z1/Z2]	Input speed [RPM]	Torque [Nm]
DMT144H	23/79	2800	1178
	25/77	2800	1303
	29/73	2800	1554
	33/69	2800	1705
	36/66	2800	1705
DMT150H	23/79	2800	1178
	25/77	2800	1303
	29/73	2800	1554
	33/69	2800	1705
	36/66	2800	1705
DMT170HL	23/103	2800	1153
	25/101	2800	1291
	26/100	2800	1400
DMT200H	23/79	2800	1178
	25/77	2800	1303
	29/73	2800	1554
	33/69	2800	1705
	33/66	2800	1705
DMT200HL	23/103	2800	1153
	25/101	2800	1291
	28/98	2800	1479

Type Approval documentation

Marking of product

Manufacturers name or trademark and type number designation.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform an assessment after 2 years and after 3.5 years 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.

Other conditions

The following items are not covered by the Type Approval:

- Connections to external shafts
- Ice class notations
- Control and monitoring system

- Mounting/installation of gearbox

END OF CERTIFICATE